



"SUPERRENCHES"
"SUPERSOCKETS"

MIDGET PATTERN "SUPERSOCKETS"

1/4" SQUARE DRIVE

Williams' Midget "Supersockets" are accurately made with thin straight walls from Selected Alloy Steel, heat-treated and chrome-plated. Packed 6 Sockets in a box.



Nominal Open- ing	No.	List Price, Each	Hex Cap Screw: Size Screw	U. S. Std. Nut; Size Bolt	S.A.E. Std. Nut; Size Bolt	Amer. Std. Mach. Screw Nut
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REGULAR — 6-POINT

3/16	NM-606	\$.45	No. 2 & 3
7/32	NM-607	.45
1/4	NM-608	.45	4
9/32	NM-609	.45

REGULAR — 12-POINT

5/16	NM-1210	.45	1/8	1/8	.....	5 & 6
11/32	NM-1211	.45	.....	.....	.....	8
3/8	NM-1212	.45	3/16	.....	.....	10
7/16	NM-1214	.45	1/4	.....	1/4	12 & 1/4
1/2	NM-1216	.45	5/16	1/4	5/16	.....

REGULAR — 4-POINT

3/16	NM-406	.45	.....	.....	.....	2 & 3
7/32	NM-407	.45	.....	.....	.....	.....
1/4	NM-408	.45	.....	.....	.....	4

REGULAR — 8-POINT

5/16	NM-810	.45	.....	1/8	.....	5 & 6
3/8	NM-812	.45	.....	.....	.....	10

EXTRA DEEP — 6-POINT

1/4	NMD-608	.60	.....	.....	.....	4
9/32	NMD-609	.60	.....	.....	.....	.....

EXTRA DEEP — 12-POINT

5/16	NMD-1210	.60	1/8	1/8	.....	5 & 6
11/32	NMD-1211	.60	.....	.....	.....	8
3/8	NMD-1212	.60	3/16	.....	.....	10
7/16	NMD-1214	.60	1/4	.....	1/4	12 & 1/4



MIDGET PATTERN HANDLES AND PARTS

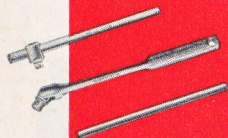
1/4" SQUARE DRIVE

WILLIAMS

NM-20A—List Price \$1.02—Sliding T Handle—4-1/2" long.

NM-42—List Price \$1.40—Flex Handle only—5-3/4" long; flexible head, knurled grip, crosshole is for Sliding Bar.

NM-42B—List Price \$.25—Sliding Bar, 1/4x4 1/2", for NM-42.

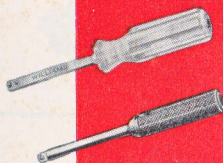


NM-51—List Price \$4.00—Reversible Ratchet—4-1/2" long. 24 teeth in ratchet-gear instead of usual 14 to 20. Turning shift-lever reverses the action instantly.



NM-106—List Price \$1.50—Extension-Driver, has plastic grip with 1/4" square drive-opening in end—6" long.

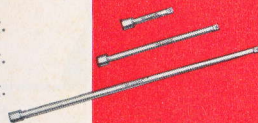
NM-110—List Price \$1.44—Extension-Driver, has lockable, revolving, knurled handle with 1/4" square drive-opening in end. May be used as an Extension or as a Driver with handle locked. A slight turn of the handle locks and unlocks same instantly, 5-3/8" long.



NM-102 — List Price \$.85 — Extension Bar — 2" long.

NM-115 — List Price \$1.08 — Extension Bar — 6" long.

NM-116 — List Price \$1.25 — Extension Bar — 14" long.

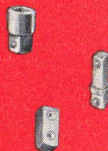


MM-130—List Price \$.90—Adapter—1/4" square male and 9/32" square female. Adapts Sockets with 1/4" square drive-openings to Handles with 9/32" square drive-plug.

MM-131—List Price \$.90—Adapter—9/32" square male and 1/4" square female. Adapts Sockets with 9/32" sq. drive-openings to Handles with 1/4" square drive-plug.

NM-150—List Price \$.60—Plug Adapter—3/4" long; both ends 1/4" square male.

MM-150—List Price \$.60—Plug Adapter—1" long; 1/4" square and 9/32" square male.



NM-126—List Price \$1.15—Screw Driver Adapter—6" long.

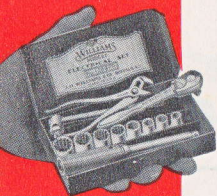
NMP-1—List Price \$.90—Phillips Screw Driver Adapter—No. 1 Phillips Drive to fit screws No. 4 and smaller.

NMP-2—List Price \$.90—Phillips Screw Driver Adapter—No. 2 Phillips Drive fits screws Nos. 5 to 9 inclusive.



"SUPERSOCKET" WRENCH SETS

MIDGET PATTERN, 1/4" SQUARE DRIVE



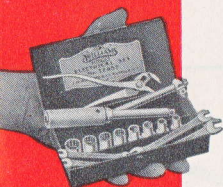
Set 1269 PR contains 8 Midget "Supersockets"—4-Hex openings, 3/16 to 9/32"; 4 12-point openings 5/16 to 7/16"; Reversible "Superratchet"; Sliding T Handle; Extension-Driver with revolving, lockable grip; Midget "Superpliers."

In Strong Steel Case, 5-1/2 x 3 x 1"

Set 1269PR—complete as illustrated . List Price **\$12.90**

Set 1269P —without NM-51 **8.80**

Set 1269 —without 1519 and NM-51 **6.95**

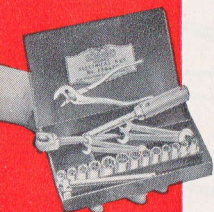


Set 1285P contains 8 Midget "Supersockets"—4-Hex openings, 3/16 to 9/32"; 4 12-point openings 5/16 to 7/16"; Sliding T Handle; Extension-Driver with revolving, lockable grip; Midget "Superplier"; 4 Midget "Superrenches" with 15° angle openings 13/64 to 3/8".

In Strong Steel Case, 5-1/2 x 3 x 1"

Set 1285P—complete as illustrated . List Price **\$11.55**

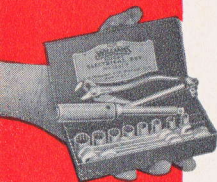
Set 1285 —without "Superplier" . **9.70**



Set 1286PR contains 13 Midget "Supersockets"—4 Hex openings 3/16 to 9/32"; 4 12-point openings 5/16 to 7/16"; 3-square openings 3/16 to 1/4"; 2 8-point openings 5/16 and 3/8". Reversible "Superratchet"; Sliding T Handle; Extension-Driver with revolving, lockable grip; Midget "Superplier"; 4 Midget "Superrenches" with 15° angle openings 13/64 to 3/8".

In Strong Steel Case, 6-3/4 x 4-1/4 x 1"

Set 1286PR—complete as illustrated List Price **\$18.50**

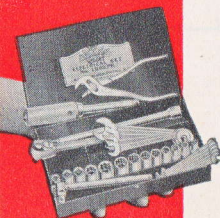


Set 1291P contains 8 Midget "Supersockets"—4 Hex openings 3/16 to 9/32"; 4 12-point openings 5/16 to 7/16"; Sliding T Handle; Extension-Driver with revolving lockable grip; Midget "Superplier"; 10 Midget "Superrenches" with openings 3/16 to 7/16".

In Strong Steel Case, 5-1/2 x 3 x 1"

Set 1291P—complete as illustrated . List Price **\$15.85**

Set 1291 —without "Superplier" . **14.00**



Set 1292PR contains 13 Midget "Supersockets"—4 Hex openings 3/16 to 9/32"; 4 12-point openings 5/16 to 7/16"; 3-square openings 3/16 to 1/4"; 2 8-point openings 5/16 and 3/8". Reversible "Superratchet"; Sliding T Handle; Extension-Driver with revolving, lockable grip; 6" Extension; Midget "Superplier"; 10 Midget "Superrenches" with openings 3/16 to 7/16".

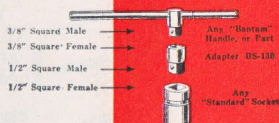
In Strong Steel Case, 6-3/4 x 4-1/4 x 1"

Set 1292PR—complete as illustrated List Price **\$23.80**

ADAPTERS FOR HANDLES AND PARTS

WILLIAMS

For adapting Sockets of one pattern with Handles and Parts of another. Illustration shows how adapter BS-130 permits use of "Bantam" Handles with "Standard" Sockets.



MM-130—List Price \$.90, 9/32" sq. female and 1/4" sq. male.

MM-131—List Price \$.90, 1/4" sq. female and 9/32" sq. male.



BM-130—List Price \$.90, 3/8" sq. female and 9/32" sq. male.

BS-130—List Price \$1.02, 3/8" sq. female and 1/2" sq. male.

BS-131—List Price \$1.02, 1/2" sq. female and 3/8" sq. male.

SH-130—List Price \$1.20, 1/2" sq. female and 3/4" sq. male.

HNX-130—List Price \$1.50, 3/4" sq. female and 1" sq. male.



HX-130—List Price \$1.50, 3/4" sq. female and 1" Hex male.



XX-130—List Price \$3.30, 1" sq. female and 1" Hex male.



XX-131—List Price \$3.30, 1" Hex female and 1" sq. male.



MM-150—List Price \$.60, 1/4" sq. male and 9/32" sq. male.

BM-150—List Price \$.75, 3/8" sq. male and 1/4" sq. male.

HH-150—List Price \$1.50, 3/4" sq. male and 5/8" sq. male.

HNX-151—List Price \$1.65, 1" sq. male and 3/4" sq. male.



XX-150—List Price \$2.70, 1" Hex male and 1" sq. male.



BANTAM PATTERN "SUPERSOCKETS"

3/8" SQUARE DRIVE

Williams' Bantam "Supersockets" are furnished in 4 styles. All have thin walls; Crowfoot attachments fit all Bantam handles and parts. Made from Selected Alloy Steel, heat-treated and chrome-plated. Packed 6 in a box.

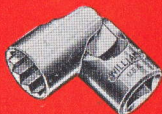
REGULAR — 12-POINT

Nominal Opening	No.	List Price, Each	Hex Cap Screw; Size Screw	U. S. Std. Nut; Size Bolt	S.A.E. Std. Nut; Size Bolt	Amer. Std. Mach. Screw Nut
1/4	†B-608	\$.72				†4
5/16	B-1210	.72	1/8	1/8		†5 & 6
11/32	B-1211	.72				†8
3/8	B-1212	.72	3/16			†10
7/16	B-1214	.72	1/4		1/4	†12 & 1/4
1/2	B-1216	.72	5/16	1/4	5/16	
9/16	B-1218	.72	3/8		3/8	5/16
5/8	B-1220	.72	7/16		7/16	3/8
11/16	B-1222	.84		3/8		
3/4	B-1224	.84	1/2		1/2	7/16



UNIVERSAL — 12-POINT — APPROXIMATE RANGE 130°

Size	No.	List Price, Each	Hex Cap Screw; Size Screw	U. S. Std. Nut; Size Bolt	S.A.E. Std. Nut; Size Bolt	Amer. Std. Mach. Screw Nut
3/8	BU-1212	\$2.30	3/16			†10
7/16	BU-1214	2.30	1/4		1/4	†12 & 1/4
1/2	BU-1216	2.30	5/16	1/4	5/16	
9/16	BU-1218	2.55	3/8		3/8	5/16
5/8	BU-1220	2.55	7/16		7/16	3/8
11/16	BU-1222	2.65		3/8		
3/4	BU-1224	2.65	1/2		1/2	7/16



EXTRA DEEP — 12-POINT — 2 to 2-5/8" LONG Have Cross Hole for 9/32" Bar

Size	No.	List Price, Each	Hex Cap Screw; Size Screw	U. S. Std. Nut; Size Bolt	S.A.E. Std. Nut; Size Bolt	Amer. Std. Mach. Screw Nut
7/16	BD-1214	.77	1/4		1/4	†12 & 1/4
1/2	BD-1216	.77	5/16	1/4	5/16	
9/16	BD-1218	.77	3/8		3/8	5/16
5/8	BD-1220	.77	7/16		7/16	3/8
11/16	BD-1222	.90		3/8		
3/4	BD-1224	1.00	1/2		1/2	7/16
13/16	BD-1226	1.00	9/16			1/2



CROWFOOT ATTACHMENTS

Size	No.	List Price, Each	For Set Screw	U.S. Std. Square Nut	Square Cap Screw	Amer. Std. Regular Sq. Nut
3/8	BC-1700	\$.80	3/16			†10
7/16	BC-1701	.80	1/4		1/4	†12 & 1/4
1/2	BC-1001	.90	5/16	1/4	5/16	
9/16	BC-1702	.90	3/8		3/8	5/16
5/8	BC-1703	1.00	7/16		7/16	3/8
11/16	BC-1003	1.00		3/8		

† Hex Opening.

† Meh. Ser. Nuts



EXTRA DEEP — 8-POINT — 1-1/2" LONG

Size Opening	No.	List Price, Each	For Set Screw	U.S. Std. Square Nut	Square Cap Screw	Amer. Std. Regular Sq. Nut
7/16	BD-814	\$.85	7/16		5/16	1/4
1/2	BD-816	.85	1/2	1/4	3/8	
9/16	BD-818	.92	9/16		7/16	5/16
5/8	BD-820	.92	5/8		1/2	3/8



BANTAM PATTERN HANDLES AND PARTS

WILLIAMS

3/8" SQUARE DRIVE

B-15—List Price \$2.10—Speeder—16-1/2" long with knurled revolving grip. Handle sweep—3-1/2" R. Shank length approx. 7".

B-20A—List Price \$1.35—Sliding T Handle, Straight—6-1/2" long.

B-30—List Price \$1.50—Offset Handle—7-3/4" long with non-revolving knurled grip. Shank offset at 90°.



B-40—List Price \$2.70—Flex Handle—8-1/2" with flexible head and knurled grip with 3/8" square drive hole for use as an Extension; 3/8" cross hole for Sliding Bar.

B-42B—List Price \$.40—Sliding Bar—5/16" rd. x 6" long, fits B-40.



B-50—List Price \$3.60—Ratchet—6-1/2" long with B-150 Connector.

B-50A—List Price \$3.60—Ratchet—same as B-50 without Plug-Connector. 1/4" sq. drive opening, 1/4" sq. drive hole in handle end.

B-50B—List Price \$3.30—Ratchet—same as B-50 but without Plug Connector. Has 5/16" square drive opening in Ratchet head.



B-51—List Price \$4.50—REVERSIBLE Ratchet—6-1/2" long. 24 teeth in Ratchet-gear instead of usual 14 or 16. For operation in close places. The turning shift lever reverses the action instantly.

B-51A—List Price \$4.50—REVERSIBLE Ratchet—same as B-51, but has both 3/8" square male and 1/4" square female ratchet drive in head, also 3/16 and 1/4" square drive holes in handle end.

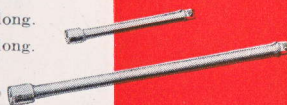


B-108—List Price \$1.08—Extension Bar, Extra short—3" long.

B-110—List Price \$1.08—Extension Bar, Short—5-1/2" long.

B-115—List Price \$1.20—Extension Bar, Long—10-1/2" long.

B-118—List Price \$1.30—Extension Bar, Extra long—18" long.



BM-130—List Price \$.90—Adapter—3/8" sq. female and 9/32" sq. male.

BM-150—List Price \$.75—Adapter—3/8" sq. male and 1/4" sq. male.

BS-130—List Price \$1.02—Adapter—3/8" sq. female and 1/2" sq. male.

BS-131—List Price \$1.02—Adapter—3/8" sq. male and 1/2" sq. female.

B-140—List Price \$2.46—Universal Joint—approximate range 140°.

B-150—List Price \$.54—Ratchet Plug Connector for B-50 Ratchet.



BP-2—List Price \$1.25—Phillips Screw Driver Socket Attachment—Regular No. 2. Phillips Drive to fit screws Nos. 5 to 9 inclusive.

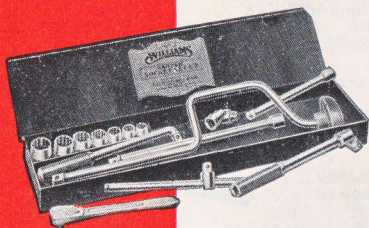
BP-3—List Price \$1.25—Phillips Screw Driver Socket Attachment—Regular No. 3 Phillips Drive to fit screws Nos. 10 to 16 inclusive.

BP-4—List Price \$1.25—Phillips Screw Driver Socket Attachment—Regular No. 4 Phillips Drive to fit screws Nos. 18 and larger.



"SUPERSOCKET" WRENCH SETS

BANTAM PATTERN, 3/8" SQUARE DRIVE



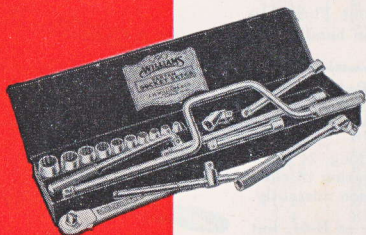
SET No. 5

15 Pieces—List Price, \$24.40

Set contains 7 Sockets with 12-point openings 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4". 8 Accessories, Nos. B-15, B-20A, B-30, B-40, *B-51, B-110, B-115 and B-140.

In Strong Steel Case, 17 x 4 x 1-1/2"

Total Weight, 6-1/2 lbs.



SET No. 6-B

16 Pieces—List Price, \$25.50

Contains 7 Sockets with 12-point openings 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4". 9 Accessories, Nos. B-15, B-20A, B-30, B-40, *B-51, B-108, B-110, B-115 and B-140.

In Strong Steel Case, 17 x 4 x 1-1/2"

Total Weight, 7-1/4 lbs.



SET No. 7-A

30 Pieces—List, \$43.95

A complete, compact set for aviation and automotive service. 21 Sockets:—7 Regular 12-point openings 3/8 to 3/4"; 4 Universal, 12-point openings 7/16 to 5/8"; 10 Extra Deep, 6 with 12-point openings 7/16 to 3/4" and 4 with 8-point openings 7/16 to 5/8". 9 Accessories Nos. B-15, B-20A, B-30, B-40, *B-51, B-108, B-110, B-115 and B-140.

In Strong Steel Case, 17 x 4-1/2 x 1-7/8"

Total Weight, 9-1/2 lbs.

* B-50 Ratchet (page 7) may be substituted for B-51 Reversible "Superratchet" at a reduction of \$.90 in List Price of each set.

HOLLOW-SCREW WRENCH SET

WILLIAMS

HOLLOW SCREW WRENCH SET No. AL-100

19 Pieces—List Price, \$25.00

Williams' detachable "Supersocket" Bits and Parts provide efficient wrenches for all hex socket hollow-screws in table below. "Superratchets", B-51 and S-51, are instantly reversible. Made from Selected Alloy Steel, heat-treated and chrome-plated.

In Strong Steel Case, 13 x 7-1/2 x 1-3/4"

Total Weight, 10 lbs.



Socket Bits are knurled for spinning.

Socket Bit, No.	Hex Plug, Size	For Hollow Screws		Square Drive	List Price, Each
		Set Screw	Cap Screw		
NAM-604	1/8	1/4	No. 8	1/4	\$.60
NAM-605	5/32	5/16	10 & 12	1/4	.60
NAM-606	3/16	3/8	1/4	1/4	.60
NAM-607	7/32	7/16	5/16	1/4	.60
AB-608	1/4	1/2 & 9/16		3/8	.75
AB-610	5/16	5/8	3/8 & 7/16	3/8	.75
AS-612	3/8	3/4	1/2 & 9/16	1/2	.85
AS-616	1/2	7/8	5/8	1/2	.85
AS-618	9/16	1 & 1-1/8	3/4 & 7/8	1/2	.85
AS-620	5/8	1-1/4 & 1-3/8	1	1/2	.85



NM-42—List Price \$1.40—Flex Handle only—5-1/2" long; flexible head, knurled grip, crosshole for Sliding Bar.

NM-42B—List Price \$.25—Sliding Bar 1/4 x 4-1/2"

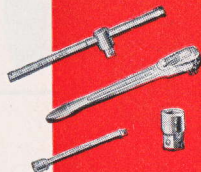


B-20A—List Price \$1.35—Sliding T Handle—6-1/2" long.

B-51—List Price \$4.50—Reversible "Superratchet" 6-1/2" long. 24 teeth in Ratchet-gear instead of usual 14 or 16. Turning shift lever reverses the action instantly.

B-110 — List Price \$1.08 — Extension Bar — 5-1/2" long.

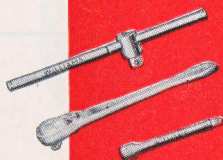
BM-130—List Price \$.90—Adapter—3/8" square female and 9/32" square male.



S-20A—List Price \$2.10—Sliding T Handle—11" long.

S-51—List Price \$6.75—Reversible "Superratchet" 10-1/2" long. 24 teeth in Ratchet-gear instead of usual 16. Turning shift lever reverses the action instantly.

S-110P—List Price \$1.20—Extension—5-1/2" long.



STANDARD PATTERN "SUPERSOCKETS"

1/2" SQUARE DRIVE

Williams' Standard Sockets are furnished with 8 and 12 point openings. Made with thin walls from Selected Alloy Steel, heat-treated and chrome-plated. Packed 6 in a box.

REGULAR 12-POINT SOCKETS

Size Opening	No.	List Price	U.S. Std. Hex Nut	Hex Head Cap Screw	S.A.E. Std. Hex Nut	Amer. Std. Regular Hex Nut
3/8	ST-1212	\$.72		3/16		
7/16	ST-1214	.72		1/4	1/4	1/4
1/2	ST-1216	.72	1/4	5/16	5/16	
9/16	ST-1218	.72		3/8	3/8	5/16
*9/16	SF-1218	1.00				
19/32	ST-1219	.72	5/16			
5/8	ST-1220	.72		7/16	7/16	3/8
21/32	ST-1221	.72				
11/16	ST-1222	.84	3/8			
3/4	ST-1224	.90		1/2	1/2	7/16
25/32	ST-1225	.90	7/16			
13/16	ST-1226	.90		9/16		1/2
7/8	ST-1228	.90	1/2	5/8	9/16	9/16
15/16	ST-1230	1.08			5/8	
31/32	ST-1231	1.08	9/16			
1	ST-1232	1.08		3/4		5/8
1-1/16	ST-1234	1.20	5/8		3/4	
1-1/8	ST-1236	1.32		7/8		3/4
1-3/16	ST-1238	1.38				
1-1/4	ST-1240	1.44	3/4		7/8	

* All Ford 6, Ford-Mercury V-8, 85 HP, 90 HP and 100 HP Connecting Rods. Use with Torque wrench required on models having "Marsden" self-locking nuts.

UNIVERSAL 12-POINT SOCKETS

1/2	SU-1216	\$2.25	1/4	5/16	5/16	
9/16	SU-1218	2.25		3/8	3/8	5/16
5/8	SU-1220	2.40		7/16	7/16	3/8
11/16	SU-1222	2.40	3/8			
3/4	SU-1224	2.40		1/2	1/2	7/16

REGULAR 8-POINT SOCKETS

Size Opening	8-Point Sockets		For Set Screw	U. S. Std. Square Nut	Square Cap Screw	Amer. Std. Regular Sq. Nut
	No.	List				
5/16	S-810	\$.72	5/16			
3/8	S-812	.72	3/8		1/4	
7/16	S-814	.72	7/16		5/16	1/4
1/2	S-816	.72	1/2	1/4	3/8	
9/16	S-818	.72	9/16		7/16	5/16
9/16	S-0818	.90	9/16		7/16	5/16
5/8	S-820	.72	5/8		1/2	3/8
11/16	S-822	.84	11/16	3/8		
3/4	S-824	.90	3/4		5/8	7/16
7/8	S-828	.90	7/8	1/2	3/4	9/16
1	S-832	1.20	1			5/8

DRAG-LINE SOCKET BITS

For Slotted stud on Drag-Link of steering-gear; also Tie-rod connecting steering-knuckles.

No.	Size Blade	List
SB-30	7/64 x 15/16	\$1.02
SB-40	3/32 x 1-1/4	1.38

STANDARD PATTERN "SUPERSOCKETS"

1/2" SQUARE DRIVE

WILLIAMS

Williams' Extra Deep Sockets are designed for Spark Plug and other service such as U bolts, Brake-Rod Ends, etc. Thin walls—Selected Alloy Steel, heat-treated and chrome-plated.

Size Opening	No.	U.S. Std. Nut; Size Bolt	Hex Hd. Cap Screw; Size Bolt	S.A.E. Std. Nut; Size Bolt	Amer. Std. Reglr. & Jam Nuts	Ex-treme Length	List Price, Each
1/2	SD-1216	1/4	5/16	5/16	.....	3-1/4	\$1.14
* 9/16	SD-1218	.....	3/8	3/8	5/16	3-1/4	1.14
* 9/16	SD-1218S	.....	3/8	3/8	5/16	3-1/4	1.30
* 5/8	SD-1220	.....	7/16	7/16	3/8	3-1/4	1.26
* 11/16	SD-1222	3/8	.....	.....	.....	3-1/4	1.26
3/4	SD-1224	.....	1/2	1/2	7/16	3-1/4	1.26
* 13/16	SD-1226	.....	9/16	.....	1/2	3-1/4	1.26
7/8	SD-1228	1/2	5/8	9/16	9/16	3-1/4	1.26
* 7/8	SD-1228T	.....	.....	.....	.....	3-1/4	1.26
* 15/16	SD-1230	.....	.....	5/8	.....	3-1/4	1.38
* 1	SD-1232	.....	3/4	11/16	5/8	3-1/4	1.50
1-1/16	SD-1234	5/8	.....	3/4	.....	3-1/4	1.50
* 1-1/8	SD-1236	.....	7/8	.....	3/4	3-1/4	1.68

* Popular Spark Plug Sizes Servicing following Plugs:

SD-1218—AC No. 103 10mm.

SD-1218S—AC No. 103 10mm.

SD-1220—AC No. 104, and Champion No. Y-4A and No. Y-5, 10mm.

SD-1222—AC No. 103-S, Auto-Lite No. P-4, Champion No. Y-4, 10mm.

SD-1226—14 mm. Plugs.

SD-1228T—18 mm. Plugs.

SD-1230—many buses, trucks.

SD-1232—18mm. Plugs on many cars, buses, trucks.

SD-1236—many buses, trucks.

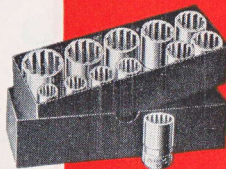
† Not guaranteed because of extra thin walls.



SOCKET SET No. 12

In Cardboard Box—List Price \$10.20

Twelve Straight Wall Sockets with 12-point openings 7/16 to 1". One each, Nos. ST-1214 to ST-1232, excepting SF-1218, ST-1221, ST-1231 as listed on page 10.



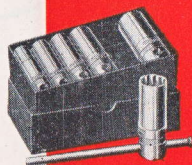
SPARK PLUG SOCKET SETS

SET No. SD-6 — LIST PRICE — \$8.20

Sliding Bar and six Extra Deep Sockets with 12-point openings 9/16, 5/8, 11/16, 13/16, 7/8 and 1". In cardboard box.

SET No. SD-4A — LIST PRICE — \$5.65

Sliding Bar and four Extra Deep Sockets with 12-point openings 5/8, 11/16, 13/16 and 1". Packed in cardboard box.



TORQUE "MEASURRENCH"

1/2" SQUARE DRIVE

No. S-57

TORQUE "MEASURRENCH"

PATENTED

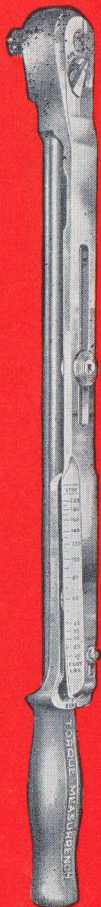
REVERSIBLE RATCHET

WITH R. H. TORQUE INDICATING SIGNAL

Standard Pattern — 1/2" Square Drive

Selected Alloy Steel

List Price, \$26.00



Closely limited torque application is essential in Automotive, Aviation and Diesel motors; also for many industrial appliances. Such fine adjustments make an efficient indicator of torque a vital necessity.

Williams' Ratchet "Measurrench", 19-1/2" long, is the most durable and efficient tool for torque indicating service on the market. It can be applied to ANY detachable Socket having 1/2" square drive-opening.

The wrench may be used in two ways—

BY SIGHT READING—An easily read scale on the handle indicates applied tightening pressures 20 to 200 foot-pounds.

BY SOUND READING—A sharp sound signal is given for any desired torque from 35 to 200 foot-pounds, by setting the simple sound device.

Right-hand torque only is measured, but action of wrench reverses instantly for left-hand turning.



Williams' twin-double-tooth oscillating pawl provides constant engagement with TWO teeth of the 36-tooth ratchet-gear, in both ON and OFF turning. Consequently, the wrench operates readily when it swings only 12°—just one-thirtieth (1/30) of a full turn.

With each wrench a chart is supplied giving the foot-pounds tension for connecting rods, cylinder heads, etc., of all popular cars and trucks, as recommended by their manufacturers.

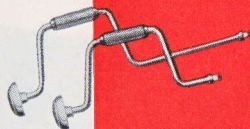
STANDARD PATTERN HANDLES AND PARTS

WILLIAMS

1/2" SQUARE DRIVE

S-10—List Price \$2.70—Speeder—12" long, with knurled revolving grips. Handle sweep 5" R.

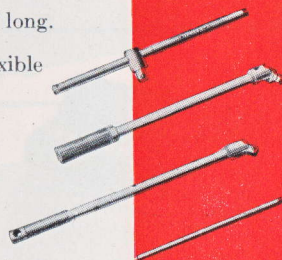
S-15—List Price \$2.70—Speeder—17-1/2" long, with knurled revolving grips. Handle sweep 4" R.



S-20A — List Price \$2.10 — Sliding T Handle — 11" long.

S-40—List Price \$3.90—Flex Handle—12" long, flexible head. Knurled grip with 1/2" square drive hole in end for use as an Extension.

S-41—List Price \$4.50—Flex Handle—17-1/4" long; flexible head. Knurled grip with 1/2" sq. drive hole for use as an Extension; 1/2" round cross hole for Sliding Bar.

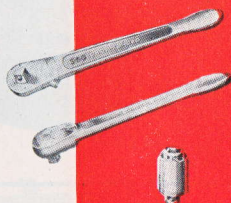


S-42B—List Price \$.60—Sliding Bar, 7/16" rd.x9" for S-41.

S-50—List Price \$4.50—Ratchet Handle—10" long, complete with Reversible Locked-in Plug-Connector.

S-51 — List Price \$6.75 — Reversible Ratchet — 10-1/2" long. 24 teeth in Ratchet-gear instead of usual 16. Turning Shift-lever reverses the action instantly.

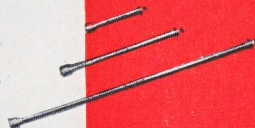
S-55—List Price \$6.65—Ratchet Adapter—1/2" square male and female connections. 2-9/16" long, 1-1/4" diam. For Ratchet action with Speeders, Handles, etc. Turning Shift-lever reverses the action instantly.



S-110P — List Price \$1.20 — Extension Bar — 5-1/2" long.

S-115P—List Price \$1.65—Extension Bar—10-1/2" long.

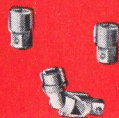
S-121P — List Price \$1.90 — Extension Bar — 20" long



SH-130—List Price \$1.20—Adapter—1/2" square female and 3/4" square male.

SH-131—List Price \$1.35—Adapter—3/4" square female and 1/2" square male.

S-140—List Price \$2.70—Universal—approx. range 140°.



"SUPERSOCKET" WRENCH SETS

STANDARD PATTERN, 1/2" SQUARE DRIVE

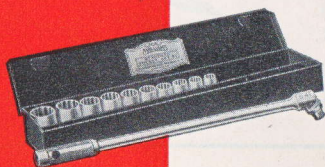
SET No. 21

11 Pieces—List Price, \$14.70

Contains S-41 Flex Handle and 10 Sockets with 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 7/8 and 1" 12-point openings.

In Strong Steel Case, 17 x 2-5/8 x 1-3/4"

Total Weight, 6-3/4 lbs.



SET No. 21R

11 Pieces — List Price, \$16.45

Contains *S-51 Reversible "Superratchet" and 10 Sockets with 12-point openings 7/16 to 1".

In Strong Steel Case, 11-1/2 x 2-5/8 x 1-3/4"

Total Weight, 4-7/8 lbs.



SET No. 20

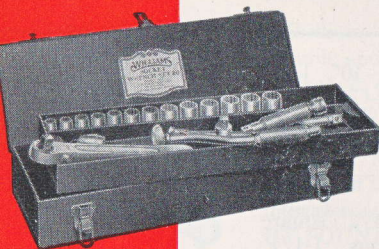
21 Pieces—List Price, \$42.20

Contains 13 Straight Wall Sockets with 12-pt. openings 7/16 to 1". 8 Accessories, Nos. S-10, S-15, S-20A, S-41, *S-51, S-110P, S-115P, S-140.

In Strong Steel Case

20-1/4 x 6-1/2 x 3-3/4"

Total Weight, 23 lbs.



SET No. 26

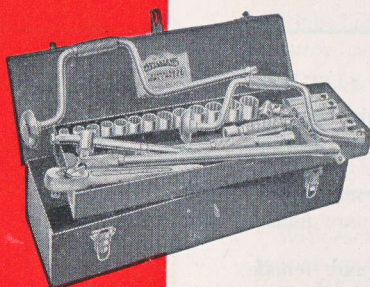
26 Pieces—List Price, \$49.60

Contains 18 Sockets all with 12-point openings:—13 Straight Wall 7/16 to 1"; 5 Extra Deep with 11/16, 13/16, 7/8, 15/16, 1-1/8" openings. 8 Accessories, Nos. S-10, S-15, S-20A, S-41, *S-51, S-110P, S-115P, S-140.

In Strong Steel Case

20-1/4 x 6-5/8 x 4-1/4"

Total Weight, 25-1/2 lbs.



* S-50 Ratchet (page 13) may be substituted for S-51 Reversible Ratchet at a reduction of \$2.25 in List Price of each Set.

"SUPERSOCKET" WRENCH SETS

STANDARD PATTERN, 1/2" SQUARE DRIVE

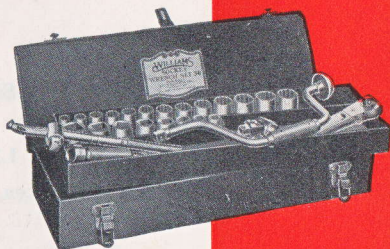
WILLIAMS

SET No. 30

29 Pieces—List Price, \$48.85

21 Sockets:—13 Straight Wall Sockets with 12-point openings 7/16 to 1". 8 Sockets with 8-point openings 3/8 to 7/8". 8 Accessories, Nos. S-10, S-15, S-20A, S-41, *S-51, S-110P, S-115P, S-140.

In Strong Steel Case
20-1/4 x 6-1/2 x 3-3/4"
Total Weight, 25-1/2 lbs.

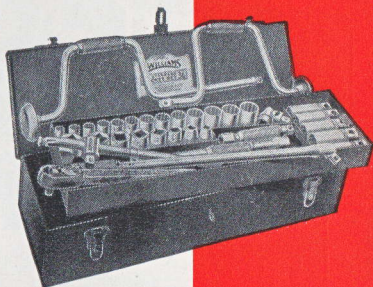


SET No. 36

34 Pieces—List Price, \$55.85

26 Sockets:—13 Straight Wall Sockets with 12-point openings 7/16 to 1". 5 Extra Deep Sockets with 12-point openings 11/16, 13/16, 7/8, 15/16, 1-1/8". 8 Sockets with 8-point openings 3/8 to 7/8". 8 Accessories, Nos. S-10, S-15, S-20A, S-41, *S-51, S-110P, S-115P, S-140.

In Strong Steel Case
20-1/4 x 6-5/8 x 4-1/4"
Total Weight, 27-3/4 lbs.



MASTER MECHANICS' SET No. 55C

34 Pieces—21 Sockets, 13 Handles and Parts

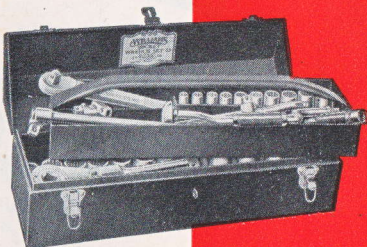
List Price, Complete—\$88.50

Standard Pattern
1/2" Square Drive

Heavy Duty Pattern
3/4" Square Drive

13 Standard 1/2" Drive Sockets with 12-point openings 7/16" to 1". 8 Heavy Duty Sockets with 12-point openings 1-1/16 to 1-5/8". 13 Accessories, Nos. S-10, S-15, S-20A, S-41, *S-51, S-110P, S-115P, S-140, H-20A, H-51, H-110, H-115 and H-140.

In Strong Steel Case, 20-1/2 x 6-3/4 x 6-3/4"
Total Weight, 43-1/2 lbs.



SET No. 55B—List Price, \$84.00

Same as Set No. 55C, but without S-41 Flex Handle

* S-50 Ratchet (page 13) may be substituted for S-51 Reversible Ratchet at a reduction of \$2.25 in List Price of each Set.

"SUPERSOCKET" WRENCH SETS

1/4, 3/8, 1/2, 3/4" SQUARE DRIVES

WILLIAMS'

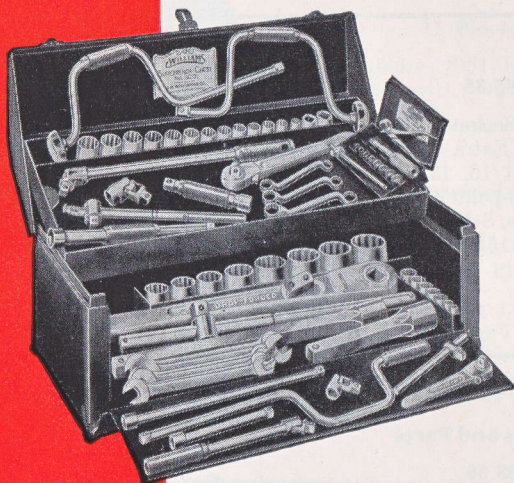
SUPER WRENCH-CHEST 1001-B

"The Complete Tool Room"

LIST PRICE, Complete — \$153.15

83 Pieces—44 Sockets, 39 Handles and Wrenches

Every Tool is Fully Guaranteed



The greatest assortment of wrenches ever assembled in one Master Set—handles a thousand and one jobs with ease. Includes popular Williams' Wrenches for every type of work from Midget to Heavy Duty service.

22 different socket attachments which can be "built up" in hundreds of different combinations. 44 sockets, 3/16 to 1-5/8"; 16 "Superwrenches" (Selected Alloy)—8 12-point Box pattern, a full Set of 6 Tappet pattern and Hammerhead Screwdriver; 2 "Superpliers"—Midget, 4-1/2", and Water Pump, 9-1/2" long.

A real *super* Wrench Chest. Heavy gauge steel, sturdily reinforced. Full length piano hinges. Large ball casters. Extra space for more tools.

In Strong Steel Case, 23 x 10-1/4 x 10"

Total Weight, 69 lbs.

Continued following page

"SUPERSOCKET" WRENCH SETS

1/4, 3/8, 1/2, 3/4" SQUARE DRIVES

WILLIAMS

WILLIAMS'

SUPER WRENCH-CHEST 1001-B

"The Complete Tool Room"

"SUPERSOCKETS"

- 8 Midget Pattern:—Straight Wall—Hex Openings, 3/16, 7/32, 1/4 and 9/32; 12-point Openings, 5/16, 11/32, 3/8 and 7/16". See page 2.
- 7 Bantam Pattern:—Straight Wall—12-point Openings; 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, and 3/4". See page 6.
- 21 Standard Pattern:—Straight Wall—12-point Openings; 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 31/32 and 1". Square Openings, 1/2 and 9/16". Also Extra Deep (Spark Plug) with 12-point Openings; 13/16, 7/8, 1 and 1-1/8". Drag Link Socket Bits, blades 15/16 and 1-1/4" wide. See pages 10 and 11.
- 8 Heavy Duty Pattern:—12-point Openings; 1-1/16, 1-1/8, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2 and 1-5/8". Page 18.

"SUPERSOCKET" HANDLES

- 2 Midget Pattern:—Nos. NM-20A, NM-110; see page 3.
- 7 Bantam Pattern:—Nos. B-15, B-20A, B-40, B-51, B-110, B-115 and B-140. See page 7.
- 8 Standard Pattern:—Nos. S-10, S-15, S-20A, S-41, S-51, S-110P, S-115P and S-140. See page 13.
- 5 Heavy Duty Pattern:—Nos. H-20A, H-51, H-110, H-115 and H-140. See page 19.

"SUPERRENCHES"

- 6 Tappet Pattern:—8 to 9" long. Openings 1/2, 9/16, 5/8, 11/16, 3/4 and 7/8". See page 37.
- 1 Hammerhead Screwdriver No. 1997. See page 47.

12-POINT BOX "SUPERRENCHES"

- 3 Short Pattern:—Double Offset—4-1/2 to 6" long. 12-point Openings; 3/8, 7/16, 1/2, 9/16 and 5/8". See page 29.
- 5 Long Pattern:—15° angle—7-3/8 to 13-3/4" long. 12-point Openings; 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 3/4, 7/8, 15/16 and 1". See page 28.

"SUPERPLIERS"

- 1 each Midget Pattern No. 1519 and Water Pump Pattern No. 1520. See page 50.

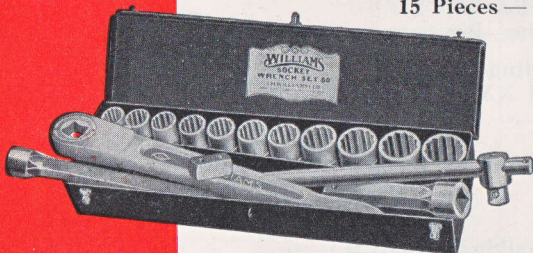
"SUPERSOCKET" WRENCH SETS

HEAVY DUTY PATTERN, 3/4" SQUARE DRIVE

SET No. 50A

FOR BUS AND TRUCK SERVICE

15 Pieces — List Price, \$49.20



Contains 10 Sockets with 12-point openings, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-5/8, and 1-3/4".

5 Accessories, Nos. H-20A, H-51, H-110, H-115, H-140.

For Bus, Truck and other severe service requiring tools of trim design, yet of ample strength, these Heavy Duty Sets are unusually handy, efficient and economical.

Twelve-point Sockets cover all U. S. Std. Nuts 5/8 to 1"; all Cap Screws 7/8 to 1-1/8"; all S.A.E. Std. Nuts 3/4 to 1-1/8"; all American Std. Regular and Jam Nuts 3/4 to 1"; Light and Castle Nuts 3/4 to 1-1/8".

The Handles and Parts are easily connected with the Sockets (and as readily disconnected), but are held firmly against unintentional displacement. See page 18.

In Strong Steel Case, 19-3/4 x 5-1/4 x 2-3/4"
Total Weight, 28-3/4 lbs.

SET No. 51

13 Pieces — List Price, \$30.54

Contains the same assortment of Sockets and Accessories as Set No. 50A excepting that Ratchet H-51 and Universal H-140 are omitted.

In Strong Steel Case, 19-3/4 x 5-1/4 x 2-3/4"
Total Weight, 22-1/4 lbs.

HEAVY DUTY PATTERN "SUPERSOCKETS"

3/4" SQUARE DRIVE

Williams' Heavy Duty "Supersockets" are made from Selected Alloy Steel, heat-treated and chrome-plated. Packed 2 in a box.

REGULAR 12-POINT SOCKETS

Size Opening	No.	List Price, Each	U. S. Std. Nut	Hex Cap Scr. Size	S.A.E. Std. Nut	Amer. Std. Nut; Reg. & Jam
7/8	H-1228	\$1.08	1/2	5/8	9/16	9/16
15/16	H-1230	1.08			5/8	
31/32	H-1231	1.08	9/16			
1	H-1232	1.08		3/4	11/16	5/8
1- 1/16	H-1234	1.32	5/8		3/4	
1- 1/8	H-1236	1.38		7/8		3/4
1- 3/16	H-1238	1.38				
1- 1/4	H-1240	1.56	3/4		7/8	
1- 5/16	H-1242	1.56		1		7/8
1- 3/8	H-1244	1.56				
1- 7/16	H-1246	1.86	7/8		1	
1- 1/2	H-1248	1.86		1-1/8		1
1- 5/8	H-1252	2.16	1		1-1/8	
1-11/16	H-1254	2.70		1-1/4		1-1/8
1- 3/4	H-1256	2.70				
1-13/16	H-1258	2.95	1-1/8		1-1/4	
1- 7/8	H-1260	2.95				1-1/4
2	H-1264	3.50	1-1/4		1-3/8	
2- 1/16	H-1266	4.10				1-3/8
2- 1/8	H-1268	4.40				
2- 3/16	H-1270	4.70	1-3/8		1-1/2	
2- 1/4	H-1272	5.30				1-1/2



EXTRA DEEP 12-POINT SOCKETS

12-Point Opening, Size	No.	List Price, Each	U. S. Std. Nut	S.A.E. Std. Nut	Extreme Length
15/16	HD-1230	\$1.62		5/8	3-1/4
1-1/16	HD-1234	1.86	5/8	3/4	3-1/4
1-1/4	HD-1240	2.28	3/4	7/8	3-1/4
1-7/16	HD-1246	2.52	7/8	1	3-1/2



HEAVY DUTY PATTERN HANDLES AND PARTS

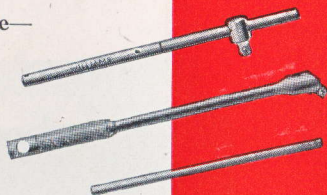
3/4" SQUARE DRIVE

WILLIAMS

H-20A—List Price \$3.30—Sliding T Handle—
17-1/2" long.

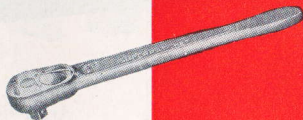
H-41—List Price \$6.15—Flex Handle—20"
long; flexible head, knurled grip
and cross hole for Sliding Bar.

H-41B—List Price \$1.10—Sliding Bar, 3/4"
round x 16" for H-41 and NX-41.



H-51—List Price \$11.15—Reversible Ratchet

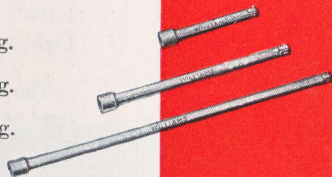
19" long. 24 teeth in Ratchet-gear
instead of usual 16. Turning Shift-
lever reverses action instantly.



H-104—List Price \$1.95—Extension Bar—4" long.

H-110—List Price \$2.70—Extension Bar—8" long.

H-115—List Price \$3.30—Extension Bar, 15-1/2" long.



HNX-130—List Price \$1.50—Adapter—3/4" square female
and 1" square male.

HX-130—List Price \$1.50—Adapter—3/4" square female
and 1" hex male

H-140—List Price \$7.50—Universal—approx. range 140°.

H-150—List Price \$1.20—Plug Connector for H-50 Ratchet.

HH-150—List Price \$1.50—Plug Adapter—5/8" square
male and 3/4" square male.

HNX-151—List Price \$1.65—Adapter—1" square male
and 3/4" square male.



"SUPERSOCKET" WRENCH SETS

EXTRA HEAVY DUTY PATTERN, 1" SQUARE DRIVE

WILLIAMS

SET No. 76

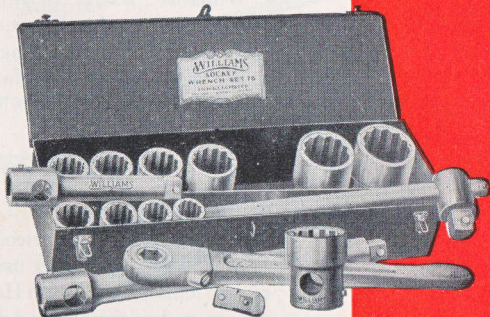
16 Pieces—List Price, \$77.00

11 Sockets with 1-1/16, 1-1/8, 1-1/4, 1-3/8, 1-7/16, 1-1/2, 1-5/8, 1-13/16, 2, 2-3/16 and 2-3/8" 12-point openings.

5 Accessories, Nos. NX-20B, NX-20C, NX-50, NX-110 and NX-115.

*In Strong Steel Case,
21-1/4 x 7-1/8 x 4-5/8"*

Total Weight, 53 lbs.



SET No. 81

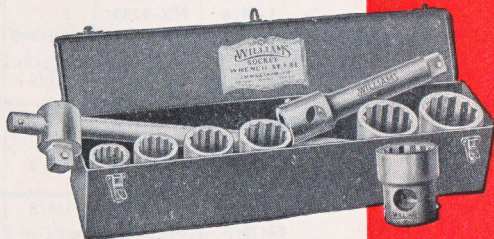
10 Pieces—List Price, \$44.25

7 Sockets, with 1-1/4, 1-7/16, 1-5/8, 1-13/16, 2, 2-3/16 and 2-3/8" 12-point openings.

3 Accessories, Nos. NX-20B, NX-20C and NX-110.

*In Strong Steel Case,
21 x 4-3/8 x 4-1/4"*

Total Weight, 32 lbs.



12-POINT SOCKETS

Williams' Extra Heavy Duty Sockets provide sturdy strength for the hardest service. They are cross-drilled to receive Sliding Handle, bringing same close to the work. Minimizes tendency to tip when socket is used near the end of handle. Rotates nuts where handle swing is only 30°.

The "Lock-Socket" device provides a positive lock between sockets and attachments. To release "Lock-Socket" press button on socket and pull. Eliminates danger of sockets becoming detached in service. Selected Alloy Steel, heat-treated in electric furnaces. To use Extra Heavy Duty Sockets (1" square female drive) with Heavy Duty Handles and Parts (3/4" square male drive), use Adapter HNX-130, pages 5 and 19.



Size Opening	No.	U.S. Std. Nut; Size Bolt	Hex Hd. Cap Scr. Size Screw	S.A.E. Std. Nut and Cap Screw	Am. Std. Reglr. & Jam Nuts	List Price, Each
1- 1/16	NX-1234	5/8	.....	3/4	.....	\$1.80
1- 1/8	NX-1236	.....	7/8	.....	3/4	1.80
1- 1/4	NX-1240	3/4	.....	7/8	.....	1.98
1- 3/8	NX-1244	.....	.....	.....	.....	2.10
1- 7/16	NX-1246	7/8	.....	1	.....	2.22
1- 1/2	NX-1248	.....	1-1/8	.....	1	2.70
1- 5/8	NX-1252	1	.....	1-1/8	.....	3.00
1-13/16	NX-1258	1-1/8	.....	1-1/4	.....	4.20
1- 7/8	NX-1260	.....	.....	.....	1-1/4	4.60
2	NX-1264	1-1/4	.....	1-3/8	.....	4.80
2- 1/8	NX-1268	.....	.....	.....	.....	5.80
2- 3/16	NX-1270	1-3/8	.....	1-1/2	.....	6.30
2- 1/4	NX-1272	.....	.....	.....	1-1/2	6.90
2- 3/8	NX-1276	1-1/2	.....	.....	.....	7.50
2- 1/2	NX-1280	.....	.....	.....	.....	10.50
*2- 9/16	NX-1282	1-5/8	.....	.....	.....	12.00
*2- 5/8	NX-1284	.....	.....	.....	1-3/4	13.50
*2- 3/4	NX-1288	1-3/4	.....	.....	.....	16.50
*2-15/16	NX-1294	1-7/8	.....	.....	.....	17.00
*3- 1/8	NX-12100	2	.....	.....	.....	20.00

* These Sockets have short neck, no cross-hole.

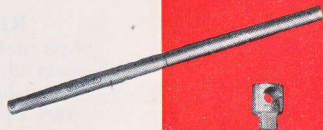
EXTRA HEAVY DUTY HANDLES AND PARTS

1" SQUARE DRIVE

WILLIAMS

NX-20B—List Price \$2.10—Sliding Handle
1" diameter, 20" long.

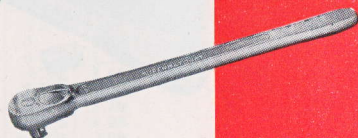
NX-20C — List Price \$3.00 — Adapter for
Sliding Handle NX-20B.



NX-41 — List Price \$15.50 — Flex Handle—
27" long; flexible head,
knurled grip and cross
hole for Sliding Bar
H-41B — See page 19.



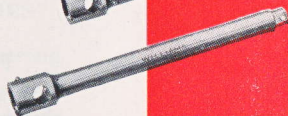
NX-51—List Price \$32.50—"Superratchet"
—Reversible—25" long. Has 24
teeth in Ratchet-gear instead of the
usual 16. The Turning Shift-lever re-
verses the ratchet action instantly.



NX-110—List Price \$5.25—Extension Bar—9" long.
Has cross hole for Sliding Handle NX-20B.



NX-115—List Price \$6.40—Extension Bar—18" long.
Has cross hole for Sliding Handle NX-20B.

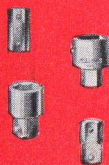


X-150—List Price \$1.68—Ratchet Plug Connector, 1" Hex

XX-130—List Price \$3.30—Adapter—1" square female
and 1" hex male.

XX-131 List Price \$3.30—Adapter—1" hex female and 1"
square male.

XX-150—List Price \$2.70 — Adapter — 1" square male
and 1" hex male.

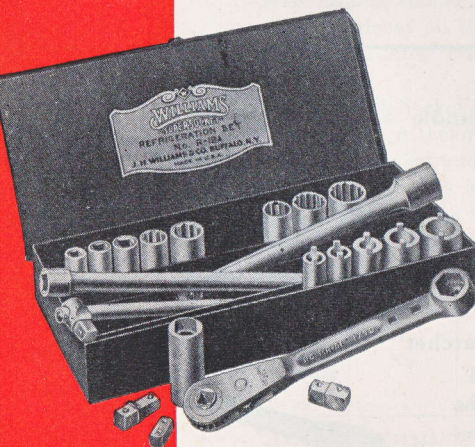


REFRIGERATION SERVICE SET No. R-19A

21 Pieces — List Price, \$18.50

Contents of Set

5 Midget "Supersockets"—1/4" square drive sq. openings—3/16, 7/32, 1/4"—8 pt.—5/16, 3/8". 3 Bantam "Supersockets"—3/8" square drive 12-point openings—7/16, 1/2 and 9/16". 5 Packing Gland Nut "Supersockets" 1/4" sq. dr. 1 Kerotest Valve Packing Nut "Supersocket" Oval opening 1/2 x 3/8"—1/4" square drive. MR-51 Reversible "Superratchet" with 1/4" sq. female drive in head, 5/16, 1/4, 3/16" sq. and 1/2" hex openings in handle. MM-150 Plug Adapter—1/4 and 9/32" sq. male. NM-150 Plug Adapter—both ends 1/4" sq. male. BM-150 Adapter—3/8 and 1/4" square male. NM-20A Sliding T Handle—4-1/2", 1/4" sq. drive. NM-115 Extension—6" long, 1/4" square drive. B-110 Extension—5-1/2" long, 3/8" square drive.



In Strong Steel Case, 7-3/4 x 3-3/8 x 1-1/4"

Total Weight, 2-3/4 lbs.

"SUPERRATCHETS"

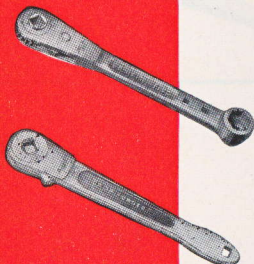
For speedy, accurate adjustment of all valves.

Drop-forged from Selected Alloy Steel, heat-treated, chrome-plated.

MR-51—List Price, \$2.30—6" long. Light weight, reversible ratchet has 1/4" female drive in head, 5/16, 1/4, 3/16" square and 1/2" hex openings in handle for delicate valve stem adjustments, etc. Cadmium-plated.

B-50A—List Price, \$3.60—6-1/2" long. Has 1/4" ratchet drive; also, 1/4" square hole in handle end.

B-50B—List Price, \$3.30—6-1/2" long. Has 5/16" square ratchet drive opening only. Handle end is plain.



REFRIGERATION TOOLS

WILLIAMS

FLARE NUT "SUPERRENCHES"

Long and slender, these "Superrenches", combine two styles of head. They are designed especially for use on the non-ferrous flare nuts and fittings found on hydraulic and pneumatic tubing assemblies such as are encountered in air conditioning, automotive, aeronautical, diesel, marine and refrigeration work. Open-box end, has a 12-point opening offset 15° from plane of handle with a tube opening slot at 22-1/2° to the axis of the handle. Thick head face is an assurance against marred fittings in final tightening.

Open end is thin, with slim jaws and opening at angle of 15°. Designed especially for holding non-ferrous union fittings found in tubing work and fast adjustment of flare nuts before final tightening. Same size opening in both heads. Drop forged from Selected Alloy Steel, heat treated and chrome plated, heads buffed.

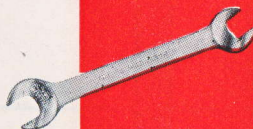
No.	OPEN END		OPEN BOX END				Ex- treme Length Approx.	List Price Each
	Nomi- nal Open- ing	Thick- ness Head	Nomi- nal Open- ing	Outside Diam.	Thick- ness Head	Max. Tube Clear- ance		
1312	3/8	3/16	3/8	21/32	5/16	1/4	5 5/8	\$1.15
1314	7/16	13/64	7/16	25/32	11/32	9/32	6	1.18
1316	1/2	7/32	1/2	29/32	7/16	3/8	6 3/8	1.28
1318	9/16	15/64	9/16	31/32	7/16	7/16	6 7/8	1.40
1320	5/8	1/4	5/8	1 1/64	1/2	15/32	7 5/8	1.55
1322	11/16	5/16	11/16	1 9/32	9/16	9/16	8 3/4	1.70
1324	3/4	5/16	3/4	1 9/32	9/16	9/16	8 3/4	1.85
1328	7/8	11/32	7/8	1 7/16	5/8	11/16	9 1/4	2.00
1332	1	3/8	1	1 19/32	11/16	3/4	9 7/8	2.15
1334	1 1/16	7/16	1 1/16	1 25/32	3/4	27/32	10 3/4	2.40
1336	1 1/8	7/16	1 1/8	1 25/32	3/4	27/32	10 3/4	2.40



DOUBLE HEAD ENGINEERS' "SUPERRENCHES"

Thin heads; narrow, pointed jaws. Amazingly strong.

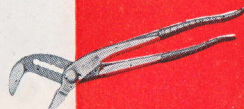
No.	Nominal Openings	Extreme Length	Thickness Heads	LIST PRICE
1723	3/8 & 7/16	4-7/8	13/64	\$.58
1725B	1/2 & 9/16	6-1/8	1/4	.82
1729	5/8 & 3/4	7-7/8	19/64	1.24
1733	7/8 & 1	10-7/8	13/32	2.25



"SUPERPLIERS"

No. 1520 — List Price, \$2.20

For general refrigeration use; especially Frigidaire expansion valves. Slip joint, 8 centers. Capacity, 0 to 2". 9-1/2" long.



THE "SUPERECTOR"

PATENTED

REVERSIBLE RATCHET WRENCH

With Quadruple Pawls and Drop-Forged Handle

Fully Guaranteed

The "SUPERECTOR" is built for rapid operation in the most severe service such as bridge, structural and other work requiring fast, dependable tools of rugged strength. Instantly reversible in action. Ample leverage for the hardest jobs. Finished in light gray enamel.

Only WILLIAMS' "SUPERECTOR"
offers all the following advantages.

QUADRUPLE PAWLS. Two pawls engaging 2 teeth for both ON and OFF rotation of nuts, providing increased bearing and strength. Made of hardened tool steel designed to provide straight compressive loading on the pawls and teeth—the sturdiest construction possible.

HANDLE drop-forged (not cast) from special high grade steel.
GEAR TEETH. 20 teeth in ALL socket gears instead of the usual 16 teeth. All wrenches will rotate with only an 18° swing of the wrench as against 22-1/2°.

SHIFTER. When in neutral, completely disengages all gears for easy insertion and removal of the Socket. A flip of the lever reverses the action of the wrench.

COLLAR for retaining socket has a projection on inner surface which registers easily with a corresponding slot in the neck of the Socket. No fumbling for set screw "spots."

CAP, securely seated in wrench head is fastened with one screw, fully enclosing mechanism and permitting easy removal.

SOCKETS have hole through center; turn nuts on any length of bolt. Made in three groups—E1, E2, E3—to fit corresponding Wrenches; see table. Sockets in different groups are not interchangeable. All are heat-treated for maximum strength.

Order Wrenches and Sockets by Number



THE "SUPERECTOR"

WILLIAMS

WRENCHES ONLY, without SOCKETS

No.	Lgth.	PRICE	No.	Lgth.	PRICE	No.	Lgth.	PRICE
E1-24	24	\$12.60	E2-36	36	\$25.20	E3-48	53	\$50.40
E1-36	36	19.80	E2-48	48	32.40			
E1 Sockets fit both above Wrenches only.			E2 Sockets fit both above Wrenches only.			E3 Sockets fit the above Wrench only.		

SOCKETS ONLY—Hex and Square

Nominal Opening, Size Across Flats	Number		U.S. Std. Nut and Amer. Std. HEAVY Nut, Hex & Sqr.	For S.A.E. Std. Nut, Hex Only	Amer. Std. Regular and Jam Nuts, Hex & Sqr.	PRICE Hex or Square Socket Only
	Hex Socket	Square Socket				

E1 SOCKETS below fit E1-24 and E1-36 Wrenches ONLY

1	.....	E1-416	.....	.....	5/8	\$4.85
1- 1/16	E1-617	E1-417	5/8	3/4	.....	4.85
1- 1/8	E1-618	E1-418	.....	.....	3/4	4.90
1- 1/4	E1-620	E1-420	3/4	7/8	.....	5.00
1- 5/16	E1-621	E1-421	.....	.....	7/8	5.10
1- 7/16	E1-623	E1-423	7/8	1	.....	5.20
1- 1/2	E1-624	E1-424	.....	.....	1	5.30
1- 5/8	E1-626	E1-426	1	1-1/8	.....	5.40
1-11/16	E1-627	.....	.....	.....	1-1/8	5.50
1- 3/4	E1-628	.....	.....	.....	.....	5.60
1-13/16	E1-629	E1-429	1-1/8	1-1/4	.....	5.65
1- 7/8	E1-630	E1-430	.....	.....	1-1/4	5.75
2	E1-632	E1-432	1-1/4	1-3/8	.....	5.90
2- 1/16	E1-633	.....	.....	.....	1-3/8	6.00
2- 3/16	E1-635	E1-435	1-3/8	1-1/2	.....	6.20
2- 1/4	E1-636	E1-436	.....	.....	1-1/2	6.40

E2 SOCKETS below fit E2-36 and E2-48 Wrenches ONLY

2	E2-632	E2-432	1-1/4	1-3/8	.....	\$ 9.70
2- 3/16	E2-635	E2-435	1-3/8	1-1/2	.....	10.00
2- 3/8	E2-638	E2-438	1-1/2	.....	.....	10.40
2- 9/16	E2-641	E2-441	1-5/8	.....	.....	10.80
2- 3/4	E2-644	E2-444	1-3/4	.....	.....	11.30
2-15/16	E2-647	E2-447	1-7/8	.....	.....	11.85
3- 1/8	E2-650	E2-450	2	.....	.....	12.40

E3 SOCKETS below fit E3-48 Wrench ONLY

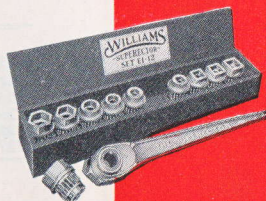
3- 1/8	E3-650	E3-450	2	.....	.....	\$20.10
3- 1/2	E3-656	E3-456	2-1/4	.....	.....	20.80
3- 7/8	E3-662	E3-462	2-1/2	.....	.....	21.60
4- 1/4	E3-668	E3-468	2-3/4	.....	.....	22.55
4- 5/8	E3-674	E3-474	3	.....	.....	23.65

SET No. E1-12

12 Pieces—List Price, \$71.25

In Wooden Box 36 x 6 x 5 1/2"

Contains "Superector" Wrench E1-24 and 11 Sockets:
4 Square — 1-1/16, 1-1/4, 1-7/16 and 1-5/8".
7 Hex—1-1/16, 1-1/4, 1-7/16, 1-5/8, 1-13/16, 2, 2-3/16".



12-POINT BOX "SUPERRENCHES"

15° ANGLE OFFSET PATTERN

These strong, tough "Superrenches" have thin head walls for use in close quarters. The 12-point openings grip hex nuts on six sides, preventing all slipping and rounding of nuts.

GENUINE "Superrenches", drop-forged from Selected Alloy Steel, heat-treated and chrome-plated over nickel, heads bright.

No.	12-Point Openings	U.S. Std. Nuts	Hex Cap Screws	S.A.E. Std. Nuts	Amer. Std. Regular Nuts	LIST PRICE
Long 15° Angle—7-3/8 to 23 in.—Chrome-plated						
7723	3/8 & 7/16	.....	3/16 & 1/4	1/4 & 5/16	1/4	\$.95
7725	7/16 & 9/16	..... 1/4	1/4 & 5/16	1/4 & 3/8	1/4 & 5/16	.95
7725A	1/2 & 9/16	.....	1/4 & 3/8	1/4 & 3/8	1/4 & 5/16	1.00
7725B	1/2 & 19/32	..... 1/4 & 5/16	5/16 & 3/8	5/16 & 3/8	5/16 & 3/8	1.00
7025	1/2 & 19/32	..... 1/4 & 5/16	5/16 & 3/8	5/16 & 3/8	5/16 & 3/8	1.00
7727	9/16 & 5/8	..... 3/8	3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	1.05
7727A	5/8 & 11/16	..... 3/8	7/16	7/16	3/8	1.20
7027	11/16 & 19/32	..... 3/8 & 5/16	3/8 & 5/16	3/8 & 5/16	3/8 & 5/16	1.20
7729	5/8 & 3/4	..... 3/8 & 5/16	7/16 & 1/2	7/16 & 1/2	3/8 & 7/16	1.20
7029B	11/16 & 25/32	..... 3/8 & 5/16	7/16 & 1/2	7/16 & 1/2	3/8 & 7/16	1.35
7029	11/16 & 25/32	..... 3/8 & 5/16	7/16 & 1/2	7/16 & 1/2	3/8 & 7/16	1.35
7729A	3/4 & 25/32	..... 7/16	1/2 & 5/8	1/2 & 5/8	7/16 & 9/16	1.40
7731A	3/4 & 13/16	..... 7/16 & 1/2	1/2 & 5/8	1/2 & 5/8	7/16 & 9/16	1.40
7031B	25/32 & 13/16	..... 7/16 & 1/2	1/2 & 5/8	1/2 & 5/8	7/16 & 9/16	1.55
7031	25/32 & 13/16	..... 7/16 & 1/2	1/2 & 5/8	1/2 & 5/8	7/16 & 9/16	1.55
7731B	13/16 & 7/8	..... 1/2	9/16 & 5/8	9/16 & 5/8	1/2 & 9/16	1.55
7033A	7/8 & 15/16	..... 1/2	9/16 & 5/8	9/16 & 5/8	1/2 & 9/16	1.85
7733	7/8 & 1	..... 1/2	5/8 & 3/4	5/8 & 3/4	9/16 & 5/8	1.85
7033C	15/16 & 1	..... 9/8	5/8 & 3/4	5/8 & 3/4	9/16 & 5/8	1.85
7034A	15/16 & 1 1/16	..... 9/8	5/8 & 3/4	5/8 & 3/4	9/16 & 5/8	2.95
7735	1 & 1 1/16	..... 9/8	3/4 & 7/8	3/4 & 7/8	5/8 & 3/4	3.30
7735A	1 1/16 & 1 1/8	..... 5/8 & 3/4	3/4 & 7/8	3/4 & 7/8	5/8 & 3/4	3.30
7037	1 1/16 & 1 1/4	..... 5/8 & 3/4	3/4 & 7/8	3/4 & 7/8	5/8 & 3/4	3.30
7037A	1 1/8 & 1 1/2	..... 5/8 & 3/4	3/4 & 7/8	3/4 & 7/8	5/8 & 3/4	3.30
7039B	1 1/4 & 1 5/8	..... 3/4 & 7/8	3/4 & 7/8	3/4 & 7/8	5/8 & 3/4	3.80
7039	1 1/4 & 1 5/8	..... 3/4 & 7/8	3/4 & 7/8	3/4 & 7/8	5/8 & 3/4	3.80
7039A	1 5/8 & 1 3/4	..... 3/4 & 7/8	3/4 & 7/8	3/4 & 7/8	5/8 & 3/4	3.80
7040B	1 7/8 & 1 7/8	..... 3/4 & 7/8	3/4 & 7/8	3/4 & 7/8	5/8 & 3/4	4.40
7041	1 7/8 & 1 7/8	..... 3/4 & 7/8	3/4 & 7/8	3/4 & 7/8	5/8 & 3/4	4.95
7742B	1 1/2 & 1 11/16	..... 1 1/8 & 1 1/4	1 1/8 & 1 1/4	1 1/8 & 1 1/4	1 1/8 & 1 1/4	4.95

Short 15° Angle—4-1/2 to 6 in.—Chrome-plated						
6723	3/8 & 7/16	.....	3/16 & 1/4	1/4 & 5/16	1/4	.95
6725	7/16 & 9/16	..... 1/4	1/4 & 5/16	1/4 & 3/8	1/4 & 5/16	1.00
6725A	1/2 & 9/16	.....	1/4 & 3/8	1/4 & 3/8	1/4 & 5/16	1.00
6725B	1/2 & 19/32	..... 1/4 & 5/16	5/16 & 3/8	5/16 & 3/8	5/16 & 3/8	1.00
6025	1/2 & 19/32	..... 1/4 & 5/16	5/16 & 3/8	5/16 & 3/8	5/16 & 3/8	1.00
6727	9/16 & 5/8	..... 3/8	3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	1.10

12-POINT BOX "SUPERRENCHES"

WILLIAMS

DOUBLE OFFSET PATTERN

For description and finish—see opposite page; Sets page 30.

No.	12-Point Openings	U.S. Std. Nuts	Hex Cap Screws	S.A.E. Std. Nuts	Amer. Std. Regular Nuts	LIST PRICE
Long Double Offset—7-3/4 to 19"—Chrome-plated						
8723	3/8 & 1/16	.....	3/16 & 1/4	1/4	1/4	\$.95
8725	7/16 & 1/2	..... 1/4	1/4 & 5/16	1/4 & 5/16	1/4	.95
8725A	7/16 & 9/16	.....	1/4 & 3/8	1/4 & 3/8	1/4 & 5/16	1.00
8725B	7/16 & 9/16	1/4	5/16 & 3/8	5/16 & 3/8	5/16	1.00
8025	1/2 & 19/32	1/4 & 5/16	5/16 & 7/16	5/16 & 7/16	5/16 & 3/8	1.00
8027	9/16 & 1	.....	3/8 & 7/16	3/8 & 7/16	3/8 & 7/16	1.05
8727A	5/8 & 1 1/16	..... 3/8	7/16	7/16	5/8	1.20
8027	11/16 & 19/32	3/8 & 5/16	.....	.....	5/8	1.20
8729	5/8 & 3/4	.....	7/16 & 1/2	7/16 & 1/2	3/8 & 7/16	1.20
8029B	11/16 & 3/4	3/8 & 5/16	.....	.....	3/8 & 7/16	1.35
8029	11/16 & 25/32	3/8 & 7/16	.....	.....	.....	1.35
8729A	3/4 & 25/32	7/16	1/2 & 5/8	1/2 & 9/16	7/16 & 9/16	1.40
8731A	25/32 & 7/8	1/2	1/2 & 9/16	1/2 & 9/16	7/16 & 9/16	1.40
8031B	3/4 & 13/16	7/16 & 1/2	.....	.....	1/2 & 9/16	1.40
8031	25/32 & 7/8	7/16 & 1/2	9/16 & 5/8	9/16 & 5/8	1/2 & 9/16	1.40
8731B	15/16 & 7/8	.....	9/16 & 5/8	9/16 & 5/8	1/2 & 9/16	1.40
8033A	7/8 & 15/16	1/2	5/8 & 3/4	5/8 & 3/4	9/16 & 5/8	1.85
8733	7/8 & 1	1/2	5/8 & 3/4	5/8 & 3/4	9/16 & 5/8	1.85
8033C	15/16 & 1	.....	.....	.....	9/16 & 5/8	1.85
8034A	15/16 & 1 1/16	5/8	3/4 & 7/8	3/4 & 7/8	5/8 & 3/4	2.95
8735	1 & 1 1/8	.....	.....	.....	5/8 & 3/4	3.30
8735A	1 1/16 & 1 1/8	5/8 & 3/4	7/8 & 1	7/8 & 1	5/8 & 3/4	3.30
8037	1 1/16 & 1 1/4	5/8 & 3/4	.....	.....	5/8 & 3/4	3.30
8037A	1 1/8 & 1 5/16	.....	.....	.....	5/8 & 3/4	3.80
8039B	1 1/4 & 1 5/16	3/4 & 7/8	.....	.....	5/8 & 3/4	3.80
8039	1 1/4 & 1 7/16	3/4 & 7/8	.....	.....	5/8 & 3/4	3.80
8039A	1 5/16 & 1 1/2	.....	1 & 1 1/8	.....	5/8 & 3/4	3.80

For Heavy Service—21 to 30"—Round Handle—Gray Enameled

8040B	1 7/16 & 1 1/2	7/8 & 1	1 1/8	1 & 1 1/8	1	4.40
8041	1 7/16 & 1 5/8	7/8 & 1	1 1/8 & 1 1/4	1 1/8 & 1 1/4	1 & 1 1/8	4.95
8742B	1 1/2 & 1 11/16	1 1/8 & 1 1/4	1 1/8 & 1 1/4	1 1/8 & 1 1/4	1 & 1 1/8	4.95
8045	1 13/16 & 2	1 1/8 & 1 1/4	1 1/8 & 1 1/4	1 1/8 & 1 1/4	1 & 1 1/8	8.45
8049	2 1/16 & 2 3/8	1 3/8 & 1 1/2	1 1/2	1 1/2	1 1/2	10.60
8053	2 1/16 & 2 3/4	1 3/8 & 1 1/4	1 1/2	1 1/2	1 1/2	16.25

Short Double Offset—4-1/2 to 6"—Chrome-plated

9723	3/8 & 1/16	.....	3/16 & 1/4	1/4	1/4	.95
9725	7/16 & 1/2	..... 1/4	1/4 & 5/16	1/4 & 5/16	1/4	1.00
9725A	7/16 & 9/16	.....	1/4 & 3/8	1/4 & 3/8	1/4 & 5/16	1.00
9725B	7/16 & 9/16	1/4	5/16 & 3/8	5/16 & 3/8	5/16	1.00
9025	1/2 & 19/32	1/4 & 5/16	5/16 & 7/16	5/16 & 7/16	5/16 & 3/8	1.00
9727	9/16 & 5/8	.....	3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	1.10



12-POINT BOX "SUPERRENCHES"

SET No. 8005

5 Long Double Offset Box "Superrenches"

Different Opening in Each Head

In Cardboard Box — List Price, \$8.10

12-point openings 5/16, 13/32, 1/2, 19/32, 11/16, 25/32, 7/8, 31/32, 1-1/16 and 1-1/4". Lengths, 7-1/4 to 17".

SET No. 8006

6 Long Double Offset Box "Superrenches"

Different Opening in Each Head

In Cardboard Box — List Price, \$7.60

12-point openings 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/15, 25/32, 3/4, 7/8, 15/16 and 1". Lengths, 7-3/4 to 14-1/2".

SET No. 9703

3 Short Double Offset Box "Superrenches"

Different Opening in Each Head

In Cardboard Box — List Price, \$3.05

Openings 3/8, 7/16, 1/2, 9/16 and 5/8". Lengths, 4-1/2 to 6".

SET No. 6703

3 Short 15° Angle Offset Box "Superrenches"

Different Opening in Each Head

In Cardboard Box — List Price, \$3.05

Openings 3/8, 7/16, 1/2, 9/16 and 5/8". Lengths, 4-1/2 to 6".

SET No. 7006

6 Long 15° Angle Offset Box "Superrenches"

Different Opening in Each Head

In Cardboard Box — List Price, \$7.60

Openings 3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 11/16, 25/32, 3/4, 7/8, 15/16, 1". Lengths, 7-3/8 to 13-3/4".

12-POINT BOX "SUPERRENCHES"

WILLIAMS

REGULAR 12-POINT BOX PATTERN

12-Point Opening — 7-1/2° Angle

For close quarters. Drop-forged from Selected Alloy Steel.
Heat-treated and chrome-plated over nickel, heads bright.

No.	Nominal Opening	U. S. Std. Nut	Hex Cap Screw	S.A.E. Std. Nut	Amer. Std. Nut	LIST PRICE Each
1800A	7/16	.....	1/4	1/4	1/4	\$.61
1801	1/2	1/4	5/16	5/16	.....	.73
1802A	9/16	.....	3/8	3/8	5/16	.86
1802	19/32	5/16	.....	.....	.....	.86
1803A	5/8	.....	7/16	7/16	3/8	1.00
1803	11/16	3/8	.....	.....	.....	1.00
1804A	3/4	.....	1/2	1/2	7/16	1.15
1804	25/32	7/16	.....	.....	.....	1.15
1805A	13/16	.....	9/16	.....	1/2	1.40
1805	7/8	1/2	5/8	9/16	9/16	1.40
1806A	15/16	.....	.....	5/8	.....	1.70
1806	31/32	9/16	.....	.....	.....	1.70
1806B	1	.....	3/4	11/16	5/8	1.70
1807	1 1/16	5/8	.....	3/4	.....	2.05
1807A	1 1/8	.....	7/8	.....	3/4	2.05
1808	1 1/4	3/4	.....	7/8	.....	2.60
1808A	1 5/16	.....	1	.....	7/8	2.60
1809	1 7/16	7/8	.....	1	.....	3.50
1809A	1 1/2	.....	1 1/8	.....	1	3.50
1810	1 5/8	1	.....	1 1/8	.....	4.70
1810A	1 11/16	.....	1 1/4	.....	1 1/8	4.70
1811	1 13/16	1 1/8	.....	1 1/4	.....	6.20
1811A	1 7/8	.....	.....	1 1/4	.....	6.20
1812	2	1 1/4	.....	1 3/8	.....	8.05



HEAVY 12-POINT BOX PATTERN

12-Point Opening — 7-1/2° Angle

For close quarters. Drop-forged from Selected Alloy Steel.
Heat-treated and chrome-plated over nickel, heads bright.

No.	Nominal Opening	U. S. Std. Nut	Hex Cap Screw	S.A.E. Std. Nut	Amer. Std. Nut	LIST PRICE Each
H1808	1 1/4	3/4	.....	7/8	.....	\$3.45
H1808A	1 5/16	.....	1	.....	7/8	3.45
H1809	1 7/16	7/8	.....	1	.....	4.65
H1809A	1 1/2	.....	1 1/8	.....	1	4.65
H1810	1 5/8	1	.....	1 1/8	.....	6.25
H1810A	1 11/16	.....	1 1/4	.....	1 1/8	6.25
H1811	1 13/16	1 1/8	.....	1 1/4	.....	8.25
H1811A	1 7/8	.....	.....	1 1/4	.....	8.25
H1812	2	1 1/4	.....	1 3/8	.....	10.70
H1813	2 3/16	1 3/8	.....	1 1/2	.....	13.55
H1813A	2 1/4	.....	.....	.....	1 1/2	13.55
H1814	2 3/8	1 1/2	.....	.....	.....	16.90
H1815	2 9/16	1 5/8	.....	.....	.....	28.05
H1815A	2 5/8	.....	.....	.....	1 3/4	28.05
H1816	2 3/4	1 3/4	.....	.....	.....	40.20
H1817A	3	.....	.....	.....	2	55.00
H1817	3 1/8	2	.....	.....	.....	55.00



12-POINT BOX "SUPERRENCHES"

STRUCTURAL BOX PATTERN

Designed for greater safety in structural work, the 12-point offset head gives maximum clearances and insures a firm hold on nut. The long tapered handle provides ample leverage and can be inserted into bolt holes for alignment.

Drop-forged from Selected Alloy Steel, heat-treated and finished in baked gray enamel all over.

No.	Nominal Openings	For U.S. Std. Nut; Size Bolt	Ex- treme Length, Approx.	Head		Handle Offset		Price Each
				Thick- ness	Outside Diam.	At Head	At End	
8905A	13/16	.....	12	5/8	1-15/32	1- 1/8	1-25/32	\$2.25
8905	7/8	1/2	12	5/8	1-15/32	1- 1/8	1-25/32	2.25
8906	15/16	.....	12	3/4	1- 5/8	1- 1/4	1-61/64	2.45
8906B	1	.....	12	3/4	1- 5/8	1- 1/4	1-61/64	2.45
8907	1- 1/16	5/8	15	13/16	1-53/64	1- 5/16	2- 9/64	3.10
8907A	1- 1/8	.....	15	13/16	1-53/64	1- 5/16	2- 9/64	3.10
8908	1- 1/4	3/4	17	7/8	2- 5/64	1- 7/16	2-21/64	3.30
8908A	1- 5/16	.....	17	7/8	2- 5/64	1- 7/16	2-21/64	3.30
8909	1- 7/16	7/8	21	1	2- 3/8	1- 1/2	2- 3/4	4.40
8909A	1- 1/2	.....	21	1	2- 3/8	1- 1/2	2- 3/4	4.40
8910	1- 5/8	1	22	1-1/16	2- 5/8	1- 5/8	2- 7/8	5.15
8910A	1-11/16	.....	22	1-1/16	2- 5/8	1- 5/8	2- 7/8	5.15
8911	1-13/16	1-1/8	23	1-1/8	2-29/32	1-11/16	3	5.50
8911A	1- 7/8	.....	23	1-1/8	2-29/32	1-11/16	3	5.50
8912	2	1-1/4	24-1/2	1-1/4	3- 5/32	1-13/16	3- 5/32	5.85
8913	2- 3/16	1-3/8	26	1-3/8	3-15/32	2	3- 1/2	7.65
8914	2- 3/8	1-1/2	28	1-1/2	3-23/32	2- 1/8	3-11/16	8.65
8915	2- 9/16	1-5/8	30	1-5/8	3-29/32	2- 1/4	3-13/16	9.55
8916	2- 3/4	1-3/4	30	1-3/4	4- 5/32	2- 3/8	3-29/32	9.55

NOTE: Heads can be bent up to 90° right or left at handle at extra cost.



12-POINT BOX "SUPERRENCHES"

WILLIAMS

STRIKING FACE BOX-OFFSET PATTERN

For heavy work in close quarters where large nuts must be set up tight or frozen nuts loosened. Offset head gives ample nut clearance. Drop-forged from Selected Alloy Steel and heat-treated. Finished in baked gray enamel all over.

No.	Nomi- nal Open- ings	For U. S. Std. Nut; Size Bolt	For S.A.E. Std. Nut; Size Bolt	For Amer. Std. REGULAR Nut; Size Bolt	Ex- treme Length	Head Outside Diam.	Price Each
8807	1- 1/16	5/8	3/4		10-1/2	1-27/32	\$4.75
8807A	1- 1/8			3/4	10-1/2	1-27/32	4.75
8808	1- 1/4	3/4	7/8		11	2- 3/32	5.00
8808A	1- 5/16			7/8	11	2- 3/32	5.00
8809	1- 7/16	7/8	1		11-1/2	2- 3/8	6.10
8809A	1- 1/2			1	11-1/2	2- 3/8	6.10
8810	1- 5/8	1	1-1/8		12	2- 5/8	6.85
8810A	1-11/16			1-1/8	12	2- 5/8	6.85
8811	1-13/16	1-1/8	1-1/4		12-1/2	2-29/32	7.15
8811A	1- 7/8			1-1/4	12-1/2	2-29/32	7.15
8812	2	1-1/4	1-3/8		13	3- 5/32	7.50
8813	2- 3/16	1-3/8	1-1/2		13-1/2	3-15/32	9.35
8813A	2- 1/4			1-1/2	13-1/2	3-15/32	9.35
8814	2- 3/8	1-1/2			14	3-23/32	10.85
8815	2- 9/16	1-5/8			14-1/2	3-29/32	11.50
8815A	2- 5/8			1-3/4	14-1/2	3-29/32	11.50
8816	2- 3/4	1-3/4			15	4- 5/32	12.75
8816B	2-15/16	1-7/8			16	4-21/32	14.75
8817A	3			2	16-1/2	4-15/16	17.25
8817	3- 1/8	2			16-1/2	4-15/16	17.25



HEAVY STRIKING FACE BOX PATTERN

12-Point Opening—7-1/2° Angle

Heads approximately as thick as the nuts they handle. Drop-forged from Selected Alloy Steel, heat-treated, chrome-plated.

No.	Nomi- nal Opening Across Flats	Amer. Std. HEAVY Nut (U.S.S.) Size Bolt	Amer. Std. Hex Hd. Cap Ser. Dia. Ser.	Amer. Std. LIGHT Nut (S.A.E.) Size Bolt	Amer. Std. REGLR. Nut; Size Bolt	Ex- treme Length, Approx.	List Price, Each
SFH-1808	1 1/4	3/4		7/8		7	\$11.00
SFH-1808A	1 5/16		1		7/8	7	11.00
SFH-1809	1 7/16	7/8		1		8	12.20
SFH-1809A	1 1/2		1 1/8		1	8	12.20
SFH-1810	1 5/8	1		1 1/8		9	13.80
SFH-1810A	1 11/16		1 1/4		1 1/8	9	13.80
SFH-1811	1 13/16	1 1/8		1 1/4		10	15.80
SFH-1811A	1 7/8				1 1/4	10	15.80
SFH-1812	2	1 1/4		1 3/8		11	18.25
SFH-1813	2 3/16	1 3/8		1 1/2		12	21.10
SFH-1813A	2 1/4				1 1/2	12	21.10
SFH-1814	2 3/8	1 1/2				13	24.45
SFH-1815	2 9/16	1 5/8				14	36.05
SFH-1815A	2 5/8				1 3/4	14	36.05
SFH-1816	2 3/4	1 3/4				15	48.20
SFH-1817A	3				2	17	63.45
SFH-1817	3 1/8	2				17	63.45



ENGINEERS' PATTERN

15° Angle, Single Head

Drop-forged from Selected Alloy Steel, heat-treated and chrome-plated over nickel, head faces buffed bright.

Handle can be offset above head at angles of 45° to 90° from opening at an additional charge.

No.	Nominal Opening	U. S. Std Nut; Size Bolt	Hex Head Cap Screw; Diameter Screw	For S.A.E. Std. Nut; Size Bolt	American Std. Nut, Regular and Jam; Size Bolt	Thickness Head	List Price, Each
1000	5/16	1/8	1/8	.....	.....	7/32	\$.47
1700	3/8	.....	3/16	.....	.....	1/4	.47
1000A	13/32	3/16	.....	.....	.....	1/4	.47
1701	7/16	.....	1/4	1/4	1/4	9/32	.56
1001	1/2	1/4	5/16	5/16	.....	9/32	.56
1702	9/16	.....	3/8	3/8	5/16	5/16	.70
1002	19/32	5/16	.....	.....	.....	5/16	.70
1703	5/8	.....	7/16	7/16	3/8	11/32	.85
1003	11/16	3/8	.....	.....	.....	11/32	.85
1704	3/4	.....	1/2	1/2	7/16	3/8	1.05
1004	25/32	7/16	.....	.....	.....	3/8	1.05
1705	13/16	.....	9/16	.....	1/2	7/16	1.25
1005	7/8	1/2	5/8	9/16	9/16	7/16	1.25
1006A	15/16	.....	.....	5/8	.....	1/2	1.50
1006	31/32	9/16	.....	.....	.....	1/2	1.50
1706	1	.....	3/4	11/16	5/8	1/2	1.50
1007	1 1/16	5/8	.....	3/4	.....	9/16	1.88
1707	1 1/8	.....	7/8	.....	3/4	9/16	1.88
1008	1 1/4	3/4	.....	7/8	.....	21/32	2.50
1008A	1 5/16	.....	1	.....	7/8	21/32	2.50
1009	1 7/16	7/8	.....	1	.....	23/32	3.80
1709	1 1/2	.....	1-1/8	.....	1	23/32	3.80
1010	1 5/8	1	.....	1-1/8	.....	25/32	5.30
1010A	1 11/16	.....	1-1/4	.....	1-1/8	25/32	5.30
1011	1 13/16	1-1/8	.....	1-1/4	.....	7/8	6.90
1011A	1 7/8	.....	.....	.....	1-1/4	7/8	6.90
1012	2	1-1/4	.....	1-3/8	.....	15/16	9.40
1012A	2 1/16	.....	.....	.....	1-3/8	15/16	9.40
1013	2 3/16	1-3/8	.....	1-1/2	.....	1	12.15
1013A	2 1/4	.....	.....	.....	1-1/2	1	12.15
1014	2 3/8	1-1/2	.....	.....	.....	1 1/16	15.30
1014A	2 7/16	.....	.....	.....	1-5/8	1 1/16	15.30



ENGINEERS' PATTERN "SUPERRENCHES"

WILLIAMS
U.S.A.

ENGINEERS' PATTERN

15° Angle, Double Head

Jaws are long, thin and pointed for use in close quarters. Drop-forged from Selected Alloy Steel, heat-treated and chrome-plated over nickel, head faces buffed bright.

No.	Nominal Openings	For U. S. Std. Nuts SizeBolts	Hex Head Cap Screws; Diameter Screws	ForS.A.E. Std. Nuts and Cap Screws; Size Bolts	American Std. Nuts Regular and Jam; Size Bolts	Thick- ness Heads	List Price Each
1720	$\frac{5}{16}$	$\frac{1}{8}$	$\frac{1}{8}$			$\frac{3}{16}$	\$.58
1021S	$\frac{1}{4}$	$\frac{1}{8}$	$\frac{1}{8}$			$\frac{3}{16}$.58
1721	$\frac{5}{16}$	$\frac{1}{8}$	$\frac{1}{8}$			$\frac{3}{16}$.58
1723	$\frac{3}{8}$		$\frac{1}{8}$ & $\frac{3}{16}$		$\frac{1}{4}$	$\frac{13}{64}$.58
1725	$\frac{7}{16}$	$\frac{1}{4}$	$\frac{1}{4}$ & $\frac{5}{16}$	$\frac{1}{4}$ & $\frac{5}{16}$	$\frac{1}{4}$	$\frac{15}{64}$.82
1725A	$\frac{7}{16}$		$\frac{1}{4}$ & $\frac{3}{8}$	$\frac{1}{4}$ & $\frac{3}{8}$	$\frac{1}{4}$	$\frac{15}{64}$.82
1725B	$\frac{7}{16}$	$\frac{1}{4}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{1}{4}$	$\frac{1}{4}$.82
1025	$\frac{1}{2}$	$\frac{1}{4}$ & $\frac{5}{16}$	$\frac{5}{16}$ & $\frac{7}{16}$	$\frac{5}{16}$ & $\frac{7}{16}$	$\frac{1}{4}$	.82
1727	$\frac{9}{16}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{5}{16}$ & $\frac{7}{16}$	$\frac{5}{16}$ & $\frac{3}{8}$	$\frac{17}{32}$	1.00
1027	$\frac{5}{8}$	$\frac{5}{16}$ & $\frac{3}{8}$			$\frac{9}{32}$	1.00	
1027B	$\frac{5}{8}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{7}{16}$	$\frac{3}{8}$	$\frac{9}{32}$	1.00
1028	$\frac{15}{32}$	$\frac{5}{16}$ & $\frac{7}{16}$			$\frac{19}{64}$	1.24	
1729	$\frac{5}{8}$	$\frac{3}{8}$	$\frac{7}{16}$ & $\frac{1}{2}$	$\frac{7}{16}$ & $\frac{1}{2}$	$\frac{3}{8}$ & $\frac{7}{16}$	1.24	
1029B	$\frac{11}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{5}{16}$	1.24
1029	$\frac{11}{16}$	$\frac{3}{8}$			$\frac{5}{16}$	1.24	
1029C	$\frac{11}{16}$	$\frac{3}{8}$	$\frac{9}{16}$		$\frac{5}{16}$	1.24	
1731	$\frac{3}{4}$		$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{11}{32}$	1.65	
1731A	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{1}{2}$ & $\frac{9}{16}$	$\frac{11}{32}$	1.65	
1031B	$\frac{25}{32}$	$\frac{7}{16}$ & $\frac{1}{2}$	$\frac{9}{16}$		$\frac{11}{32}$	1.65	
1031	$\frac{25}{32}$	$\frac{7}{16}$ & $\frac{1}{2}$	$\frac{9}{16}$ & $\frac{5}{8}$	$\frac{9}{16}$	$\frac{11}{32}$	1.65	
1731B	$\frac{13}{16}$	$\frac{7}{16}$ & $\frac{1}{2}$	$\frac{9}{16}$ & $\frac{5}{8}$	$\frac{9}{16}$ & $\frac{5}{8}$	$\frac{11}{32}$	1.65	
1032B	$\frac{13}{16}$		$\frac{9}{16}$ & $\frac{5}{8}$	$\frac{9}{16}$ & $\frac{5}{8}$	$\frac{11}{32}$	1.65	
1033A	$\frac{7}{8}$	$\frac{1}{2}$	$\frac{5}{8}$ & $\frac{3}{4}$	$\frac{9}{16}$ & $\frac{11}{16}$	$\frac{13}{32}$	2.25	
1733	$\frac{7}{8}$	$\frac{1}{2}$	$\frac{5}{8}$ & $\frac{3}{4}$	$\frac{9}{16}$ & $\frac{11}{16}$	$\frac{13}{32}$	2.25	
1033C	$\frac{15}{16}$	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{5}{8}$	$\frac{9}{16}$ & $\frac{11}{16}$	$\frac{13}{32}$	2.25	
1034	$\frac{7}{8}$	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{5}{8}$	$\frac{9}{16}$ & $\frac{11}{16}$	$\frac{13}{32}$	2.25	
1034A	$\frac{15}{16}$		$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{1}{2}$	3.15	
1735	1		$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{1}{2}$	3.15	
1036B	$\frac{11}{16}$	$\frac{5}{8}$	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{1}{2}$	3.15	
1037	$\frac{11}{16}$	$\frac{5}{8}$ & $\frac{3}{4}$	$\frac{7}{8}$	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{1}{2}$	3.15	
1737	$\frac{11}{16}$	$\frac{5}{8}$ & $\frac{3}{4}$	$\frac{7}{8}$	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{1}{2}$	3.15	
1037A	$\frac{11}{16}$		$\frac{7}{8}$ & 1	$\frac{7}{8}$	$\frac{3}{4}$ & $\frac{7}{8}$	3.15	
1039B	$\frac{11}{16}$	$\frac{3}{4}$ & $\frac{7}{8}$	1	$\frac{7}{8}$ & 1	$\frac{9}{16}$	4.90	
1039	$\frac{11}{16}$	$\frac{3}{4}$ & $\frac{7}{8}$	1	$\frac{7}{8}$ & 1	$\frac{9}{16}$	4.90	
1039A	$\frac{11}{16}$		1 & $1\frac{1}{8}$	$\frac{7}{8}$ & 1	$\frac{9}{16}$	4.90	
1039C	$\frac{11}{16}$	$\frac{7}{8}$		1	$\frac{9}{16}$	4.90	
1041	$\frac{11}{16}$	$\frac{7}{8}$ & 1	1 & $1\frac{1}{8}$	1 & $1\frac{1}{8}$	$\frac{9}{16}$	8.80	
1041B	$1\frac{1}{2}$	1	$1\frac{1}{8}$	$1\frac{1}{8}$	1	$\frac{3}{4}$	8.80



SET No. 1025A

In Leatherette Roll . . . List Price, \$8.65

In Cardboard Box List Price, \$7.55



No.	Nominal Openings	U.S. Std. Nuts; Size Bolts	Hex Cap Screws; Diam. Screws	S.A.E. Std. Nuts; Size Bolts	Amer. Std. Regular Nuts; Size Bolts	LIST PRICE Chrome- Finished
1723	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	\$.58
1025	$\frac{1}{2}$ & $\frac{19}{32}$	$\frac{1}{4}$ & $\frac{5}{16}$	$\frac{5}{16}$	$\frac{5}{16}$	.....	.82
1727	$\frac{9}{16}$ & $\frac{5}{8}$	.....	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{5}{16}$ & $\frac{3}{8}$	1.00
1029	$\frac{11}{16}$ & $\frac{25}{32}$	$\frac{3}{8}$ & $\frac{7}{16}$	.....	.....	.....	1.24
1731A	$\frac{3}{4}$ & $\frac{7}{8}$	$\frac{1}{2}$	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{1}{2}$ & $\frac{7}{16}$	$\frac{7}{16}$ & $\frac{1}{2}$	1.65
1033C	$\frac{15}{16}$ & 1	.....	$\frac{3}{4}$	$\frac{9}{8}$ & $1\frac{1}{16}$	$\frac{7}{8}$ & $\frac{1}{2}$	2.25

SET No. 1712

In Leatherette Roll . . . List Price, \$30.20

In Cardboard Box List Price, \$27.60



No.	Nominal Openings	U. S. Std. Nuts; Size Bolts	Hex Cap Screws; Diam. Screws	S.A.E. Std. Nuts; Size Bolts	Amer. Std. Regular Nuts; Size Bolts	LIST PRICE Chrome- Finished
1021	$\frac{5}{16}$ & $\frac{13}{32}$	$\frac{1}{8}$ & $\frac{3}{16}$	$\frac{1}{8}$	.....	.....	\$ .58
1723	$\frac{3}{8}$ & $\frac{7}{16}$	.....	$\frac{3}{16}$ & $\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	.58
1025	$\frac{1}{2}$ & $\frac{19}{32}$	$\frac{1}{4}$ & $\frac{5}{16}$	$\frac{5}{16}$	$\frac{5}{16}$	.....	.82
1727	$\frac{9}{16}$ & $\frac{5}{8}$	.....	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{3}{8}$ & $\frac{7}{16}$	$\frac{5}{16}$ & $\frac{3}{8}$	1.00
1029	$\frac{11}{16}$ & $\frac{25}{32}$	$\frac{3}{8}$ & $\frac{7}{16}$	.....	.....	.....	1.24
1731	$\frac{3}{4}$ & $\frac{13}{16}$	$\frac{1}{2}$	$\frac{1}{2}$ & $\frac{5}{8}$	$\frac{1}{2}$	$\frac{7}{16}$ & $\frac{1}{2}$	1.65
1033	$\frac{7}{8}$ & $\frac{31}{32}$	$\frac{1}{2}$ & $\frac{7}{16}$	$\frac{3}{8}$	$\frac{9}{16}$	$\frac{7}{16}$	1.65
1033C	$\frac{15}{16}$ & 1	.....	$\frac{3}{4}$	$\frac{5}{8}$	$\frac{5}{8}$	2.25
1037A	$1\frac{1}{8}$ & $1\frac{5}{16}$	.....	$\frac{7}{8}$ & 1	.....	$\frac{3}{4}$ & $\frac{7}{8}$	3.15
1038	$1\frac{1}{16}$ & $1\frac{1}{8}$	$\frac{3}{8}$ & $\frac{7}{8}$	.....	$\frac{3}{4}$ & 1	.....	4.90
1739B	$1\frac{3}{8}$ & $1\frac{1}{2}$	.....	$1\frac{1}{8}$	.....	1	4.90
1040	$1\frac{1}{4}$ & $1\frac{5}{8}$	$\frac{3}{4}$ & 1	.....	$\frac{7}{8}$ & $1\frac{1}{8}$	.....	4.90

TAPPET PATTERN "SUPERRENCHES"

WILLIAMS

EXTRA LONG, THIN TAPPET PATTERN

15° Angle, Single Head

All auto mechanics will want these extra long (12-1/2") Tappet Wrenches for convenient reach over hot manifolds. Slender and light for easy adjustment, with narrow jaws for close places. The range of openings—3/8 to 5/8"—provides comprehensive service for practically every make of car, including late models. Sold individually and in sets. Drop-forged from Selected Alloy Steel, heat-treated, cadmium plated. For Sets, see following page.

No.	Nominal Openings	Amer. Std. Hex Head Cap Screws	Amer. Std. LIGHT Nut (S.A.E.)	Amer. Std. REGULAR Nut	List Price, Each
A100C	3/8	3/16	.....	.....	\$1.18
A100	7/16	1/4	1/4	1/4	1.18
A100A	1/2	5/16	5/16	.....	1.18
A100B	9/16	3/8	3/8	5/16	1.18
A101	5/8	7/16	7/16	3/8	1.27



TAPPET PATTERN

15° Angle, Double Head

Specially designed for tappet adjustment. Drop-forged from Selected Alloy Steel, heat-treated and chrome-plated over nickel, head faces buffed bright. For sets see following page.

No.	Openings and Tappet Sizes	Extreme Length, Approx.	Thickness Heads	List Price, Each
1090A	3/8 & 7/16	8	5/32	\$.76
1090	7/16 & 1/2	8	5/32	.76
1090G	7/16 & 17/32	8	5/32	.76
1090D	1/2 & 9/16	8	5/32	.76
1092	9/16 & 5/8	8	3/16	.82
1092F	5/8 & 11/16	8	3/16	.82
1094G	3/4 & 13/16	9	7/32	.88
1094	3/4 & 7/8	9	7/32	.88
1096	15/16 & 1	9	7/32	1.06



TAPPET "SUPERRENCH" SETS

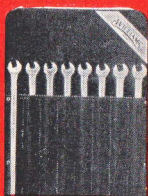


SET No. 106

In Leatherette Roll List Price, \$7.85

In Cardboard Box List Price, 7.25

Set consists of 6 Tappet Pattern "Superrenches", 2 each of Nos. A-100A, A-100B and A-101 with 1/2, 9/16 and 5/8" openings.



SET No. 108

In Leatherette Roll List Price, \$10.30

In Cardboard Box List Price, 9.60

Set consists of eight Tappet Pattern "Superrenches", 2 each Nos. A-100, A-100A, A-100B, A-101; 7/16, 1/2, 9/16, 5/8 opngs.



SET No. 1032

In Leatherette Roll List Price, \$5.25

In Cardboard Box List Price, 4.70

Contains six Tappet Pattern "Superrenches", 2 each of Nos. 1090, 1090D and 1092F, covering every tappet size from 7/16 to 11/16"; services 80% of all cars, buses and trucks.



SET No. 1042

In Leatherette Roll List Price, \$7.30

In Cardboard Box List Price, 6.45

Includes 8 Tappet Pattern "Superrenches", 2 each of Nos. 1090, 1090D, 1092F and 1094. Covers every tappet size from 7/16 to 7/8". An ideal set for the automobile mechanic.



SET No. 1063

In Leatherette Roll List Price, \$5.50

In Cardboard Box List Price, 4.90

Set consists of six Tappet Pattern "Superrenches", 2 each of Nos. 1090D, 1092F and 1094, covering every tappet size from 1/2 to 7/8"; services 80% of all cars, buses and trucks.

OPEN END-BOX "SUPERRENCHES"

WILLIAMS

OPEN END-BOX PATTERN

These long, slender "Superrenches", combining two styles of head, are designed especially for use in close quarters.

Open end is thin, with slim jaws and opening at angle of 15°—the most efficient ever devised for this type of wrench-head.

Box end, with 12-point opening and thin walls, is offset from plane of handle; see illustration.

Same size opening in both heads; **where one can not operate, the other will.** Each rotates hex nuts when the wrench can swing only 30°—less than 1/10 of a full turn.

Drop-forged from tough Selected Alloy Steel, heat-treated and chrome-plated with faces of open end buffed bright.

No.	Nominal Openings	U. S. Std. Nut	Hex Cap Screw	S.A.E. Std. Nut	Amer. Std. Nut	Length, Approx.	LIST PRICE
1159	5/16 & 5/16	1/8	1/8			4-3/8	\$1.00
1159A	11/32 & 11/32				*No. 8	4-3/8	1.00
1160	3/8 & 3/8		3/16			5	1.15
1161	7/16 & 7/16		1/4	1/4	1/4	5-3/8	1.18
1162	1/2 & 1/2	1/4	5/16	5/16		6	1.28
1163	9/16 & 9/16		3/8	3/8	5/16	6-3/4	1.40
1163A	19/32 & 19/32	5/16				6-3/4	1.40
1164	5/8 & 5/8		7/16	7/16	3/8	7-5/8	1.55
1165	11/16 & 11/16	3/8				8-1/2	1.70
1166	3/4 & 3/4		1/2	1/2	7/16	9-1/2	1.85
1166A	25/32 & 25/32	7/16				9-1/2	1.85
1167A	13/16 & 13/16		9/16		1/2	10-1/2	2.00
1167	7/8 & 7/8	1/2	5/8	9/16	9/16	10-1/2	2.00
1168	15/16 & 15/16			5/8		13	2.15
1170	1 & 1		3/4	11/16	5/8	13	2.15
1171	1-1/16 & 1-1/16	5/8		3/4		15	2.40
1172	1-1/8 & 1-1/8		7/8		3/4	15	2.40
1173	1-1/4 & 1-1/4	3/4		7/8		18	2.90
1174	1-5/16 & 1-5/16		1		7/8	18	2.90
1176	1-7/16 & 1-7/16	7/8		1		21	3.45

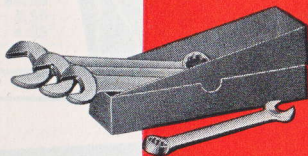
* Amer. Std. Machine Screw and Stove Bolt Nuts.



SET No. 1168-S

In Cardboard Box—List Price, \$5.40

Contains four wrenches, 1 each Nos. 1161, 1162, 1163 and 1164, covers all the more popular small sizes of various nuts and cap-screws.

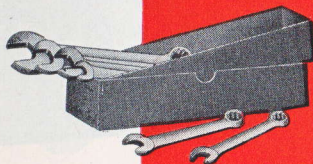


SET No. 1169-S

In Leatherette Roll—List Price, \$10.05

In Cardboard Box —List Price, 8.95

Contains six wrenches, 1 each of Nos. 1161, 1162, 1163, 1164, 1165 and 1166, and will service 16 different sizes of nuts and cap-screws.



MIDGET "SUPERRENCHES"

MIDGET "SUPERRENCHES"

These wrenches are unusually thin and slim, but surprisingly tough and strong. Forged from Selected Alloy Steel, heat-treated and chrome-plated over nickel, head faces buffed bright.

No.	Nominal Openings	Extreme Length	Thickness Heads	LIST PRICE
15° ANGLE OPENING				
1106	13/64 & 7/32	3	3/32	\$.65
1107	15/64 & 1/4	3	3/32	.65
1108	9/32 & 11/32	3-1/2	1/8	.72
1108A	1/4 & 5/16	3-1/2	1/8	.72
1109	5/16 & 3/8	3-1/2	1/8	.72
15 and 75° ANGLE OPENING				
1112	3/16 & 3/16	3	3/32	\$.65
1113	13/64 & 13/64	3	3/32	.65
1114	7/32 & 7/32	3	3/32	.65
1115	15/64 & 15/64	3	3/32	.65
1116	1/4 & 1/4	3	3/32	.65
1118	9/32 & 9/32	3-3/4	1/8	.72
1120	5/16 & 5/16	3-3/4	1/8	.72
1122	11/32 & 11/32	3-3/4	1/8	.72
1124	3/8 & 3/8	3-3/4	1/8	.72
1128	7/16 & 7/16	4-1/2	5/32	.82
1132	1/2 & 1/2	4-1/2	5/32	.82

MIDGET ELECTRICAL SET No. 1148P

In Leatherette Roll—List Price, \$5.15

A compact assortment of 4 Midget "Superrenches", Nos. 1106, 1107, 1108, 1109 and Superplier No. 1519 for troublesome little jobs requiring small tools.

MIDGET ELECTRICAL SET No. 1140P

In Leatherette Roll

Set 1140P with 1519, List Price, \$9.30

Set 1140 without 1519, List Price, \$7.45

Ten Midget "Superrenches", Nos. 1112, 1113, 1114, 1115, 1116, 1118, 1120, 1122, 1124, 1128 and "Superplier" No. 1519; see page 50.

6-POINT BOX MIDGET "SUPERRENCHES"

These midget box wrenches are ideal for carburetor, electrical and ignition work. Offset design clears small obstructions where working space is limited. Forged from Selected Alloy Steel, heat-treated and chrome-plated, heads buffed bright.

No.	Nominal Openings	Extreme Length	LIST PRICE	No.
1150	13/64 & 3/16	2 7/8	\$.65	1150
1151	15/64 & 7/32	3 1/8	.65	1151
1152	9/32 & 1/4	3 3/8	.65	1152
1153	11/32 & 5/16	3 3/4	.65	1153



ADJUSTABLE HOOK SPANNERS

SET No. 1400

In Leatherette Roll—List Price, \$12.10

This set covers a wide field of usefulness and is especially serviceable in adjustments to—

Exhaust Manifold Gland Nuts,
Differential Pinion Gear,
Rear Axle Shaft Bearings,
Rear Wheel Bearings,
Water-Pump Packing Nuts, etc.

Drop-forged from Selected Alloy Steel, heat-treated and chrome-plated, face of jaw and raised part of handle buffed.

No.	Capacity for Circles, Diameter	Extreme Length, Approx.	Thickness		Depth Hook	LIST PRICE Each
			Handle	Hook		
1471	3/4 to 2	6-3/8	1/4	11/32	1/8	\$3.05
1472	1-1/4 to 3	8-1/8	9/32	13/32	5/32	3.50
1474	2 to 4-3/4	11-3/8	5/16	15/32	3/16	4.85



"MULTISOCKET" WRENCH No. 1999

EIGHT-IN-ONE

List Price, \$4.00 Each

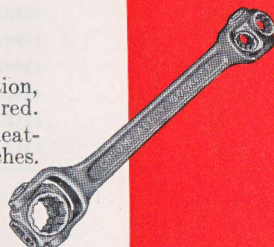
Swivel heads, with index spring to retain working position, permit handle to be operated at practically any angle desired.

The entire wrench is drop-forged from selected steels, heat-treated and finished in cadmium-plate. Length, 9 inches.

8 Different 12-Point Openings

Small Head; 7/16, 1/2, 9/16, 19/32"

Large Head; 5/8, 11/16, 3/4, 7/8"



CONSTRUCTION WRENCHES

15° Angle

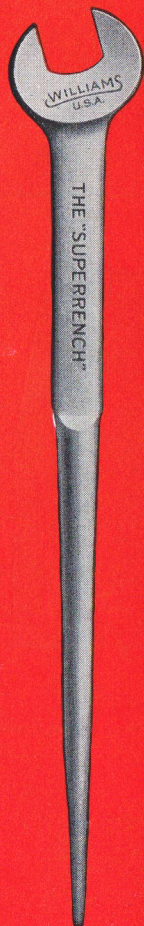
Particularly serviceable on heavy automotive work requiring long leverage, such as Anchor Nuts, Bendix Brakes—Axle-shaft Nuts—Bumper Bolts and Nuts, Bus and Truck—Frame Members—King-bolts and Nuts—Springclip ("U" Bolt) Nuts—Spring-shackle Bolts and Nuts—Tire and Luggage-carrier Bolts and Nuts, Bus and Truck—etc., etc.

These wrenches also meet the needs of structural workers efficiently. The slim design provides ample strength and leverage without unnecessary weight and bulk. Substantial bearing on square nuts.

The long handle is round for the greater part of its length, with tapered end for easy insertion into bolt holes when bringing them into line.

Drop-forged from Selected Alloy Steel, heat-treated and finished in baked gray enamel all over.

No.	Nominal Opening	For U.S. Std. Nut; Size Bolt	S.A.E. Std. Nut & Cap Screw	American Standard Regular Nut; Size Bolt	Extreme Length, Approx.	LIST PRICE
1205	7/8	1/2	9/16	9/16	14 1/2	\$1.86
1206B	1	.....	11/16	5/8	14 1/2	1.86
1207	1 1/16	5/8	3/4	.....	17	2.60
1207A	1 1/8	.....	.....	3/4	17	2.60
1208	1 1/4	3/4	7/8	.....	19	3.50
1208A	1 5/16	.....	.....	7/8	19	3.50
1209	1 7/16	7/8	1	.....	21	4.80
1209A	1 1/2	.....	.....	1	21	4.80
1210	1 5/8	1	1 1/8	.....	23	6.80
1211	1 13/16	1 1/8	1 1/4	.....	25	10.00
1212	2	1 1/4	1 3/8	.....	25	10.00



STRUCTURAL "SUPERRENCHES"

WILLIAMS

STRUCTURAL WRENCHES

Straight Opening

Made especially to meet the needs of structural workers; the slim design provides ample strength and leverage without unnecessary weight and bulk.

The long, narrow jaws provide substantially full bearing on square nuts. The round handle has tapered end for easy insertion into bolt holes when aligning same.

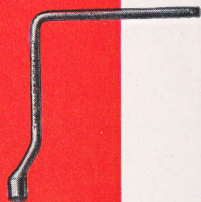
The abrupt offset and angle of handle provide for clearance of obstructions and safety to the operator's hands. The wrench is particularly well balanced. When thrust into scabbard or belt-loop, the "step-up" of the round above the flat part of handle acts as a stop, yet is readily released.

Drop-forged from Selected Alloy Steel, heat-treated and finished in baked gray enamel all over.

No.	Nominal Opening	For U.S. Std. Nut; Size Bolt	For American Standard Regular Nut	Extreme Length, Approx.	Thickness Head	Handle Offset		LIST PRICE
						At Head	At End	
1905	7/8	1/2	9/16	14-1/2	17/32	7/8	1- 7/8	\$2.25
1906B	1	.....	5/8	14-1/2	17/32	7/8	1- 7/8	2.25
1907	1- 1/16	5/8	.....	17	5/8	1	2- 3/8	3.15
1907A	1- 1/8	.....	3/4	17	5/8	1	2- 3/8	3.15
1908	1- 1/4	3/4	.....	19	11/16	1-1/8	2- 3/4	4.25
1908A	1- 5/16	.....	7/8	19	11/16	1-1/8	2- 3/4	4.25
1909	1- 7/16	7/8	.....	21	3/4	1-1/4	3- 1/16	5.85
1909A	1- 1/2	.....	1	21	3/4	1-1/4	3- 1/16	5.85
1910	1- 5/8	1	.....	23	13/16	1-7/16	3- 3/8	8.10
1910A	1-11/16	.....	1-1/8	23	13/16	1-7/16	3- 3/8	8.10
1911	1-13/16	1-1/8	.....	25	7/8	1-5/8	3-11/16	12.25
1911A	1- 7/8	.....	1-1/4	25	7/8	1-5/8	3-11/16	12.25
1912	2	1-1/4	.....	25	7/8	1-5/8	3-11/16	12.25



"SUPERRENCHES" FOR FORD CARS AND TRUCKS



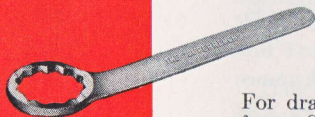
No. 1956

For Ford "A" Rear Main Bearing

List Price, \$3.00

3/4" 12-point opening—Height, 11"—Leverage, 11"

Serves Ford Model "A" rear-main-bearings and provides for attachment of 9/16" square socket for Ford "A" front and center bearings. It's a powerful wrench with 11" swing, and clears all obstructions. Drop-forged from Selected Alloy Steel, heat-treated and chrome-plated over nickel.



No. 1966-A

For Ford Crankcase Drain Plug

List Price, \$1.35

2" 12-point opening—11" long

For drain plug on all 1939-'42 Ford V-8, Mercury. Forged from Selected Alloy Steel, heat-treated, chrome-plated.

No. S-243

For Ford V-8 60 H.P. Motor, 1937-'40 Main Bearings

List Price, \$2.00



Hex openings, 21/32 and 21/32"; offset, 3"; 11-1/2" long

Specially thin design sockets for all main bearing screws. Forged from Selected Alloy Steel, heat-treated, chrome-plated.

Nos. S-231 and 1981-A

For All Ford V-8 Connecting Rods

3" offset, 11-1/2" long

Spin nuts till engaged (short arm for lever); reverse wrench and tighten (long arm for lever).

Forged from Selected Alloy Steel, heat-treated, chrome-plated.



No. S-231 — List Price, \$2.00

Hex openings, both 7/16". For Ford V-8 60 H.P. motor, 1937-'40.

No. 1981-A — List Price, \$2.15

Hex openings, both 9/16". Serves all Ford 6, 1941-'42; all Ford and Mercury V-8 85 H.P., 90 H.P. and 100 H.P. thru 1942; also battery ground strap nut All Ford V-8 85 H.P. 1935-'36.

No. 1984-X

For Adjusting Ford Brakes

List Price, \$2.05



7/16 and 1/2" 8-point openings—11-1/4" long.

The only wrench required for adjusting brakes on Ford "A", "B", All V-8, 1932-'38 cars; also Ford "AA" and all V-8 Trucks. Forged from Selected Alloy Steel, heat-treated, chrome-plated.

SPECIAL AUTOMOTIVE "SUPERRENCHES"

WILLIAMS

No. SV-238

For All Ford V-8, 1937, Battery Clamp Nuts

List Price, \$1.50

9/16" Hex opng.; length, Socket to Handle, 7"; Handle 4-1/2"
Forged from Selected Alloy Steel, heat-treated, chrome-plated.

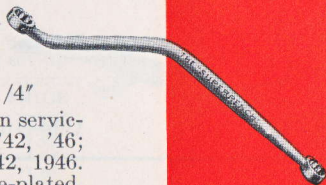


No. SV-244

For All Ford V-8, 1937-'42, Distributors

List Price, \$1.75

1/2 & 1 1/2" 12-point opengs., 9" long. Offset, 2-1/4"
Specially offset to clear fan-belt. A big time-saver in servicing distributors on Ford 6, 1941-'42; V-8, 1937-'42, '46; Mercury V-8, 1939-'42, '46; Lincoln Zephyr, 1937-'42, 1946. Forged from Selected Alloy Steel, heat-treated, chrome-plated.



Nos. S-239 and V-132

For All Ford Cars and Trucks 1928-'42

Serves lower fan-pulley nut, necessary in dropping oil pan, without removing radiator. Designed for use with Ford starting crank. Selected Alloy Steel, heat-treated, cadmium-plated.

No. S-239 — List Price, \$1.80

1-1/8" Hex Opening

Serves Ford 6, 1941-'42; V-8 60 HP Motor 1937-'40; V-8, 1938-'42, 1946; Mercury, 1939-'42 and 1946.



No. V-132 — List Price, \$2.00

1-3/8" Hex Opening

Serves all Ford cars and trucks 1928-'37; all Ford trucks 1938-'42, 1946. Cut away for clearance.

No. 1960

For Starter and Manifold

List Price, \$1.55

12-point openings, 9/16 and 5/8" — Length, 7"

For starter and manifold nuts, All models Chrysler and Dodge; all models DeSoto and Plymouth through 1940. Drop-forged from Selected Alloy Steel, heat-treated, chrome-plated.



No. 1961

List Price, \$1.55

12-point openings, 5/8 and 3/4" — Length, 7-1/2"

For starter nuts on All models Chevrolet 1930 to 1942. Drop-forged from Selected Alloy Steel, heat-treated, chrome-plated.



"SUPERRENCHES" FOR BRAKE SERVICE

SELECTED ALLOY STEEL—CHROME-PLATED

No. 1983

For Eccentric Adjustments

List Price, \$2.10

Openings, 3/16 & 1/4". Length, 9". Thickness Heads, 1/4".

For use on Eccentric Cam, Lockheed Hydraulic and Bendix mechanical brakes.

No. 1998B

For Star Nut, Etc.— Bendix Hydraulic

List Price, \$1.15

Length, 7-1/2". Blade Tips, 5/64 x 15/32".

Offset to service Star Nut Eccentric, all Bendix Hydraulic.

No. 1163

For Eccentric Screw and Lock Nut; Hydraulic

List Price, \$1.40

Openings, 9/16 & 9/16". Length, 6-3/4".

For Eccentric Screw and Lock Nut, hydraulic brakes on many late model cars.

No. 1721BR

For Eccentric Cam — Bendix

List Price, \$.75

Openings 5/16, 3/16 and 1/4". Length, 4-1/4".

For Eccentric Cam, Bendix Mechanical. Also Eccentric Cam rear brake-shoes, Packard 120, 1937-1939.

Nos. 1731BR and 1735BR

For Brake-Shoe Anchor Nuts

For Bendix and other mechanical brakes; lighter cars No. 1731BR, heavy cars and trucks No. 1735BR.

No.	Nominal Openings	Length	Thick. Hds.	PRICE
1731BR	3/4 & 7/8	15	3/8	\$4.30
1735BR	1 & 1 1/8	16	1/2	5.75

No. 1987

For Brake-Shoe Anchor Nuts

List Price, \$6.70

12-point openings 1-1/2 & 1-5/8", 22" long. Thick. Hds. 3/8".

Serves many heavy trucks.

"SUPERRENCHES" FOR BRAKE SERVICE

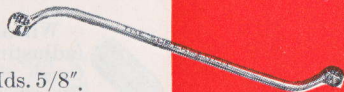
SELECTED ALLOY STEEL—CHROME-PLATED

WILLIAMS

No. 8034A — List Price, \$2.95

For Brake-Shoe Anchor Nuts

12-point opngs. 15/16 & 1-1/16", 14-1/2" long. Thick. Hds. 5/8".
For Bendix mechanical, Bendix and Lockheed Hydraulic.



Nos. 1990 to 1995

For General Adjustments

For Lock Nuts, Band Adjustment Nuts, Pedal, Equalizer and Rod adjustments, etc., along the various brake set-ups.

No.	Nominal Openings	Length	Thick. Hds.	PRICE
1990B	7/16 & 1/2	6-1/4	7/32	\$1.65
1990C	1/2 & 1/2	6-1/4	7/32	1.65
1990A	9/16 & 9/16	6-1/4	7/32	1.65
1990	5/8 & 5/8	6-1/4	7/32	1.65
1992	11/16 & 13/16	8	1/4	1.95
1992A	3/4 & 3/4	8	1/4	1.95
1995	3/4 & 7/8	9	1/4	2.25



No. 1997 — List Price, \$1.30

For Slotted Anchor Pins, Etc.

Length 7". Brake Tips, 1/16 x 13/32".

For slotted anchor pins, drag links, steering post and other jobs where regular screw drivers cannot be used. Also excellent as a glazier's tool.



Nos. 9723 and 9725B

For All Hydraulic Bleeder Valves

No.	12-Pt. Openings	Length	List Price
9723	3/8 & 7/16	4-1/2	\$.95
9725B	1/2 & 9/16	5-1/2	1.00



No. 1984X — List Price, \$2.05

For Ford Brakes — Mechanical

8-point Openings, 7/16 & 1/2". Length, 11-1/4".

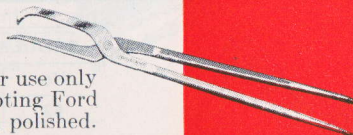
The only wrench required for "A", "B" and All V-8 1932-'38 cars; also "AA" and All V-8, 1932-'38 trucks.



No. 1517 — List Price, \$2.70

For Brake-Shoe Springs

For inserting and removing springs (internal). For use only on passenger cars and light and medium trucks excepting Ford "A". Length, 13". Gray satin finish; faces of head polished.



AUTOMOTIVE SCREW DRIVERS

Williams' Regular, Electricians', Pocket and Stubby (adjusting) Screw Drivers are all fitted with handles of a tough transparent composition, an insulator of electricity. Fluted for sure, comfortable grip. The blades, hardened and tempered, are solidly anchored in the handles.

Packed 6 in cardboard box, excepting No. 52, 12 per box.

REGULAR — ROUND BLADE — COMPOSITION HANDLE

No.	Blade Length	Stock Size	Tip Width	List Price
24	4	1/4	1/4	\$.95
26	6	5/16	5/16	1.30
28	8	3/8	3/8	1.60
32	12	3/8	3/8	1.95

REGULAR — SQUARE BLADE — COMPOSITION HANDLE

No.	Blade Length	Stock Size	Tip Width	List Price
4	4	1/4	5/16	\$1.05
6	6	5/16	5/16	1.40
6B	6	3/8	3/8	1.55
8	8	3/8	3/8	1.75
12	12	3/8	3/8	2.10

ELECTRICIANS — ROUND BLADE — COMPOSITION HANDLE

No.	Blade Length	Stock Size	Tip Width	List Price
43	3	3/16	3/16	\$.75
46	6	3/16	3/16	.95
50	10	3/16	3/16	1.10

POCKET (With Clip) — COMPOSITION HANDLE

No.	Blade Length	Stock Size	Tip Width	List Price
52	2-1/4	1/8	1/8	\$.32

REGULAR STUBBY (Adjusting) — COMPOSITION HANDLE

No.	Blade Length	Stock Size	Tip Width	List Price
62	1-1/2	1/4	5/16	\$.65

PHILLIPS AUTOMOTIVE SCREW DRIVERS

WILLIAMS

Williams' Screw Drivers, Nos. WP-1 to WP-4, will fit the entire range of Phillips recessed-head screws. These, and the Phillips Stubby (adjusting) Screw Driver, have round selected alloy blades, hardened and tempered, that are securely anchored in superior hard wood, fluted handles.

All Screw Drivers packed 6 in cardboard box.

PHILLIPS — WOOD HANDLE

No.	Fits Screws No.	Blade Length	Stock Size	List Price
WP-1	4 and smaller	3	9/64	\$.60
WP-2	5 to 9 incl.	4	1/4	.65
WP-3	10 to 16 incl.	6	5/16	.75
WP-4	18 and larger	8	3/8	.95



PHILLIPS STUBBY (Adjusting) — WOOD HANDLE

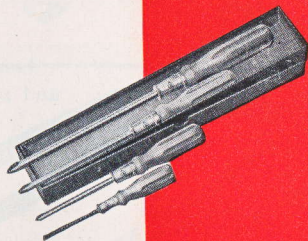
No.	Fits Screws No.	Blade Length	Stock Size	List Price
WP-62	5 to 9 incl.	1-1/2	1/4	\$.55



PHILLIPS SCREW DRIVER SET No. WP-14

In Cardboard Box—List Price, \$2.95

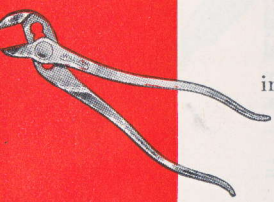
This set of four Phillips Screw Drivers consists of one each of Numbers WP-1, WP-2, WP-3, and WP-4, packed in a cardboard box. This combination covers the entire range of Phillips Screws. Their round, chrome-alloy blades, hardened and tempered, are securely anchored in superior hard wood fluted handles.



WILLIAMS "SUPERPLIERS"

No. 1519

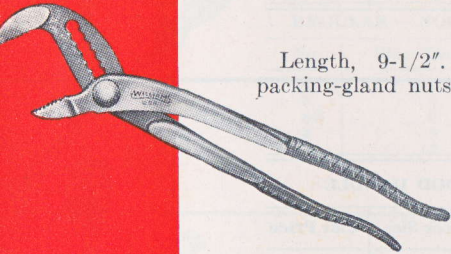
List Price, \$1.85



This midget size, 4-1/2" long, is especially designed for use in connection with distributors, ignition systems, wiring, panels, switchboards, radios and carburetors. The 4-position slip-joint opens to 9/16", with the jaws parallel at the most important openings. The slightly flared ends of the handles give ideal finger control. Forged from Selected Alloy Steel, heat-treated, cadmium-plated.

No. 1520

List Price, \$2.20

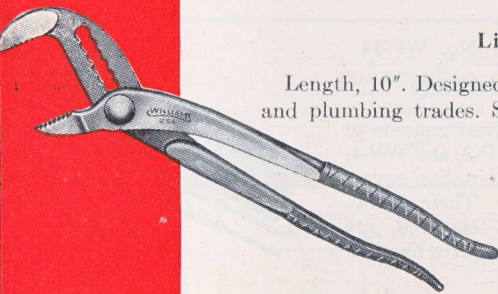


Length, 9-1/2". Particularly serviceable in adjusting packing-gland nuts on practically all cars, trucks, tractors and smaller industrial engines. 8 Position, slip-joint. Since the jaws close entirely, they grip any thickness up to their capacity—2 inches.

Diamond embossed handles provide firm hand grip, even if greasy. Drop-forged from Selected Alloy Steel, gray satin finish, faces polished.

No. 1521

List Price, \$4.45



Length, 10". Designed particularly for use in the electrical and plumbing trades. Seven adjustment notches provide a range of openings from 0 to 2".

Diamond embossed handles provide firm hand grip even if greasy. Drop-forged from Selected Alloy Steel, gray satin finish, faces polished.

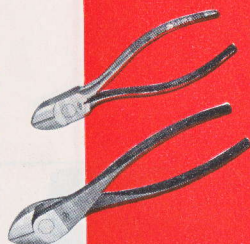
WILLIAMS' AUTOMOTIVE PLIERS

WILLIAMS

DIAGONAL-CUTTING PLIERS

These rugged tools are drop-forged from special, tough steel; cutting-edge is made for lasting service. No. 46 has knurled handles; full polished finish. No. 57 has broader and more powerful jaws for heavy duty; head polished.

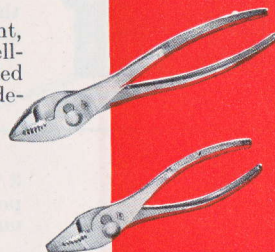
No.	Pattern	Length	LIST PRICE
46	Regular	6	\$1.25
57	Heavy Duty	7	2.30



COMBINATION PLIERS

This line of Combination Pliers, with 2-position slip-joint, is very efficient for general service. All are sturdy, well-designed tools. Drop-forged from special steel, with knurled handles; polished nickel-finish. No. 36 has durable side-cutting jaws.

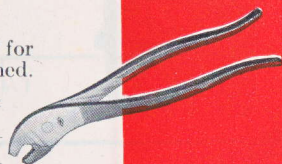
No.	Pattern	Length	LIST PRICE
5	Regular	5	\$.65
6	"	6	.70
8	"	8	.90
10	"	10	1.25
36	Side-Cutting	6	.90



BATTERY PLIER

Thin but strong, with tapered jaws set at an angle of 30° for convenient use and positive grip. Nickel-plated; head polished.

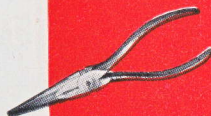
No.	Length	LIST PRICE
68	8	\$1.45



NEEDLE NOSE SIDE-CUTTING PLIERS

Long thin nose for close quarters, with durable side-cutting jaws. Knurled handles blued; head polished bright.

No.	Length	LIST PRICE
76	6	\$2.40



PUNCHES

Williams' Punches are forged from high grade octagon alloy steel, properly hardened and tempered to stand up under the most severe service. Black body; taper and head full polished.

COLD or FLAT PATTERN CHISELS

Williams' Chisels are made from high grade octagon alloy steel noted for its fine cutting qualities and durability; carefully forged, hardened and tempered. Ample hard for work on tempered material, yet soft enough to minimize chipping and to permit resharpening with a file. Body finished in black with full polished bit and head.

RIVET BUSTER

Designed especially for cutting off hardened rivet heads, this tool is particularly useful in dismantling old cars. It is a great time saver when used for this purpose.

PUNCH SET No. P-9

In Leatherette Roll — List Price, \$6.70

In Cardboard Box — List Price, 5.82

This handy punch set contains three Pin Punches with 1/8", 3/16" and 1/4" points; two Solid Punches with 3/32" and 1/8" points; two long Taper Punches with 5/32" and 3/16" points; one Prick Punch and One Center Punch, each 5" long.

CHISEL SET No. C-6

In Leatherette Roll — List Price, \$6.25

In Cardboard Box — List Price, 5.44

This compact chisel set contains six Cold or Flat Chisels 1/4" to 1-1/8" wide.

PUNCH and CHISEL SET No. PC-15

In Leatherette Roll — List Price, \$12.60

In Cardboard Box — List Price, 11.26

This combination set contains a complete assortment of Williams' Punches and Chisels. Set contains six Cold or Flat Chisels 1/4" to 1-1/8" wide; three Pin Punches with 1/8", 3/16" and 1/4" points; two Solid Punches with 3/32" and 1/8" points; two Long Taper Punches with 5/32" and 3/16" points; one Prick Punch and one Center Punch, each 5" long.

AUTOMOTIVE PUNCHES AND CHISELS

WILLIAMS

PIN PUNCHES

No.	Point Diam.	Stock Size	Length	List Price
P-4	1/8	3/8	6	\$.54
P-6	3/16	1/2	6	.62
P-8	1/4	5/8	8	.77



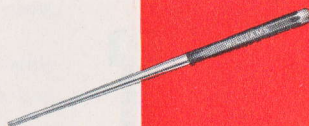
SOLID PUNCHES

No.	Point Diam.	Stock Size	Length	List Price
P-13	3/32	1/2	6	\$.62
P-14	1/8	1/2	8	.77



LONG TAPER PUNCHES

No.	Point Diam.	Stock Size	Length	List Price
P-25	5/32	3/8	9	\$.75
P-26	3/16	1/2	10	.85



PRICK PUNCH

No.	Point Diam.	Stock Size	Length	List Price
P-30		3/8	5	\$.45



CENTER PUNCH

No.	Point Diam.	Stock Size	Length	List Price
P-40		3/8	5	\$.45



COLD, or FLAT CHISELS

No.	Width of Cut	Stock Size	Length	List Price
C-8	1/4	1/4	4-3/4	\$.54
C-12	3/8	3/8	5-1/2	.62
C-16	1/2	1/2	6	.73
C-20	5/8	5/8	6-1/2	.85
C-24	3/4	3/4	7	1.05
C-36	1-1/8	1	8	1.65



RIVET BUSTER

No.	Width of Cut	Stock Size	Length	List Price
C-422	11/16	3/4	12	\$1.65

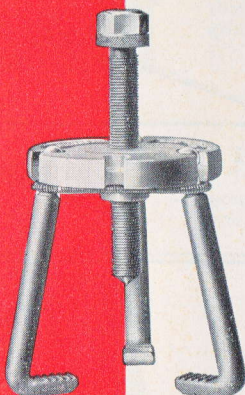


WHEEL PULLER NO. 5

WHEEL PULLER No. 5 PATENTED

For Refrigeration Service

This Williams' Wheel Puller is a simple efficient tool developed for the many pulling jobs in Refrigeration Service, such as flywheels, fans and pulleys. It can also be used for many pulling jobs on electric motors, etc.



The body, forged from high tensile steel, has four sockets into which either two or all three of the arms may be placed in various positions, providing a combination of grips. Flywheels with even or odd numbers of spokes are pulled with equal ease. All three arms are necessary for odd-spoked wheels, while only two are needed for an even number of spokes. The pulling capacity is 7" diameter.

Easily adjusted arms processed from alloy steel, are held in place by an endless spring. They are instantly reversible by merely turning the arm in the socket for either internal or external pulling. This feature eliminates the need of removing or repositioning the arms.

The hex head of the power screw, on which any convenient wrench can be used, has a knurled band to facilitate rapid hand turning. Its cone point fits into the center-hole of the shaft end.

No.	Capacity Diameter	Body Diameter	Length Arms	List Prices, Puller and Extra Parts			
				Arms Each	Screw	Spring	Complete
5	7	3 1/4	4 1/4	\$2.25	\$3.20	\$.65	\$12.25

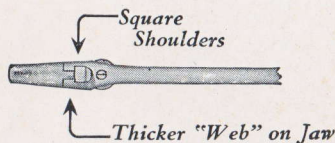
"SUPERJUSTABLE" WRENCHES

WILLIAMS

Williams' "Superjustable" Wrenches, with thin, tapered jaws, are drop-forged from the finest grade of Selected Alloy Steel obtainable for the purpose. "Superjustables" are thinner and lighter, yet stronger and tougher than ordinary carbon steel adjustable wrenches. They are second to none in appearance, strength and durability.

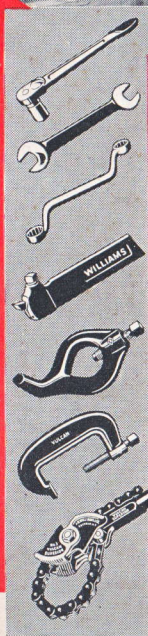
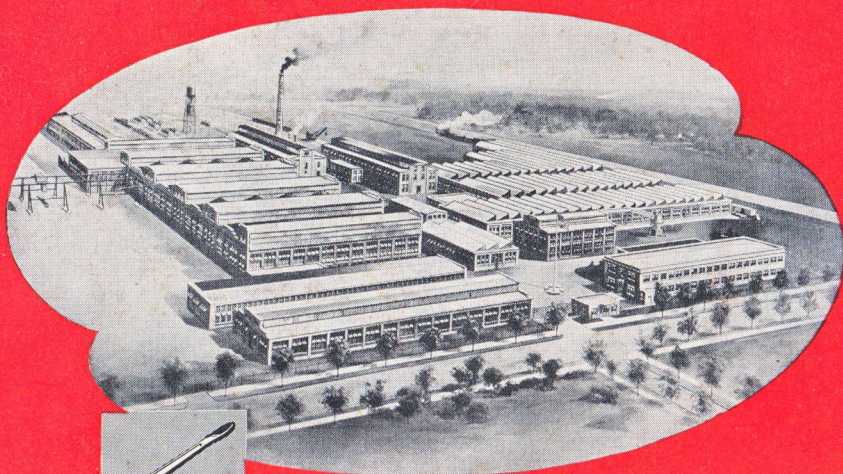
All parts are carefully machined to extremely close limits, assuring the accurate fit essential in wrenches of this class.

Heat-treated and chrome-plated over nickel. Face is highly polished and handle is "satin" finished. Packed 6 to a box.



Size, Inch.	List Price, Each,	Capacity	Thickness Head		Extra Parts—List Price, Ea.			
			Tip of Jaws	Ex- treme	Jaw	Knurl	Pin	Spring
4	\$1.60	1/2	9/64	5/16	\$.55	\$.23	\$.08	\$.08
6	1.60	3/4	7/32	3/8	.55	.23	.08	.08
8	2.00	15/16	17/64	1/2	.70	.26	.08	.08
10	2.55	1- 1/8	23/64	19/32	.93	.30	.08	.08
12	3.70	1- 5/16	15/32	23/32	1.33	.48	.19	.08
15	5.55	1- 3/4	19/32	31/32	2.00	.78	.19	.08
†18	9.20	2- 1/16	23/32	1-3/16	2.75	1.25	.19	.08

† "Diamond" Brand



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